

Service Manual

Car Audio

RM-710

Over-head Console Type Hi-Fi Car Audio System



General

Power Source:	DC 12 V (11~16 V usable) Negative Ground only
Test Voltage:	14.4 V
Power Consumption:	12.8A at rated power output (Memory Back up 3 mA)
Dimensions:	Console unit; 708(L)×226(W)×41(D) mm (27 $\frac{7}{8}$ "×8 $\frac{1}{8}$ "×1 $\frac{5}{8}$ ") Cassette Deck Section Depth 83 mm (3 $\frac{5}{16}$ ") Power amplifier; 205(W)×206(H)×50(D) mm (8 $\frac{1}{8}$ "×8 $\frac{1}{8}$ "×2") Console unit; 4.4 kg (9 lb 11 oz) Power amplifier; 2.3 kg (5 lb 1 oz)
Weight:	

FM Tuner Section

Frequency Range:	87.50~108.05 MHz
Usable Sensitivity:	16 dBf (1.7 μ V 75 Ω)
50 dB Quieting Sensitivity:	18 dBf (2.2 μ V 75 Ω)
THD:	0.15%
Signal to Noise Ratio:	72 dB
Image Rejection:	65 dB
IF Rejection:	95 dB
RF IMD Rejection:	80 dB
AM Suppression:	55 dB
Frequency Response:	20~15,000 Hz (± 3 dB)
Stereo Separation:	45 dB at 1 kHz

AM Tuner Section

Frequency Range:	522~1611 kHz
Max. Sensitivity:	20 dB (at 500 mW output)
Usable Sensitivity:	30 dB (S/N 20 dB)
Selectivity:	45 dB (± 10 kHz)
Image Rejection:	90 dB
IF Rejection:	55 dB

Cassette Deck Section

Wow and Flutter:	0.13% (WRMS)
Cross-Talk:	55 dB
Signal to Noise Ratio:	65 dB Dolby NR in 55 dB Dolby NR out
Frequency Response:	30~15,000 Hz (± 3 dB)
Stereo Separation:	40 dB at 1,000 Hz

Preamplifier Section

Frequency Response:	20~50,000 Hz (± 3 dB)
THD:	0.02% (1 kHz)
Signal to Noise Ratio:	70 dB
Tone Control:	60 Hz ± 12 dB 250 Hz ± 12 dB 1 kHz ± 12 dB 3.5 kHz ± 12 dB 10 kHz ± 12 dB 100 Hz +8 dB 10 kHz +3 dB -20 dB

Loudness:

Sound Attenuator:

Power Amplifier Section

Rated Power Output:	(Front) 10 watts per channel minimum continuous average power into 4 ohms, both channels driven, from 20 to 20,000 Hz with no more than 0.5% total harmonic distortion (Rear) 20 watts per channel minimum continuous average power into 4 ohms, both channels driven, from 20 to 20,000 Hz with no more than 0.5% total harmonic distortion Total 120 watts RMS Front; 20 watts per channel Rear; 40 watts per channel 0.07% at -3 dB Rated Power (1 kHz) 20~40,000 Hz (± 3 dB) 82 dB
Max. Power Output:	
Distortion:	
Frequency Response:	
Signal to Noise Ratio:	

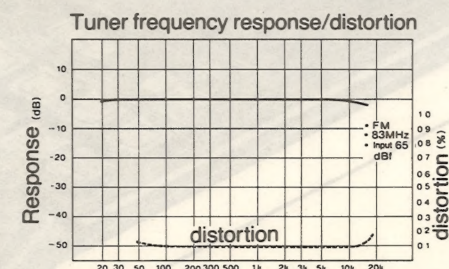
Specifications are subject to change without notice.

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka, Japan

SPECIAL FEATURES

Tuner Section

- FM stereo/AM PLL (Phase-Locked-Loop) frequency synthesizer tuning system.
- DBM (Double Balanced Mixer) circuit at front end for elimination of jamming and for improvement of the characteristics necessary for strong reception.
- Digital frequency display using a fluorescent display tube.
- Independent memory circuit for 6 FM stations and 6 AM stations (12 stations memory in all.)
- Preset scan function to recall preset stations in order.
- Frequency tuning can be performed upward ("up") as well as downward ("down") in "manual", "seek" and "scan" modes of operation.
- DX-local sensitivity switch.
- ASC (Automatic Separation Control) and ATC (Automatic Tone Control) circuits to reduce offensive noises in fringe areas.
- Impulse Noise Quieting Circuit (INQ) reduces noise in the FM band caused by car engine interference and pulse noise from other sources.

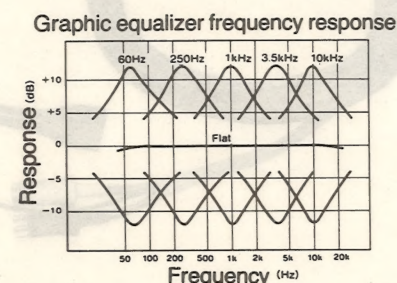


Preamplifier Section

- A newly developed "soft touch" electronic volume control.
- Joy-Stick Balance and Fader Control.
- 10-LED output level indicator.
- 8-LED volume position indicator.
- 5-band (60 Hz, 250 Hz, 1 kHz, 3.5 kHz, 10 kHz) graphic equalizer.
- Loudness control that compensates the sound even at low listening levels.
- Sound attenuator switch (-20 dB).

Power Amplifier Section

- 120 Watts Total Max. Output Power (2CH)
(Refer to "SPECIFICATIONS" for the details.)

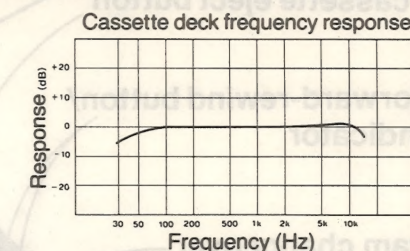


Cassette Deck Section

- The auto-reverse system will reverse and play the tape upon completion of one side automatically.
- Full Logic Control tape mechanism.
- TPS (Tape Program Sensor) function.
- Incorporates the *Dolby NR circuit which reduces tape hiss noise.
- Tape head is metal tape compatible.
- Key Off Eject mechanism.
When your car's ignition switch is turned off, the cassette tape is automatically ejected therefore deformation of the pinch roller etc. is prevented.
- Auto Replay in rewind mode.
- Soft Eject mechanism.

*"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

*Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

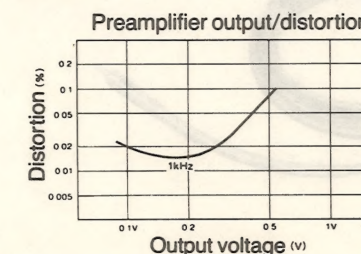


Clock Section

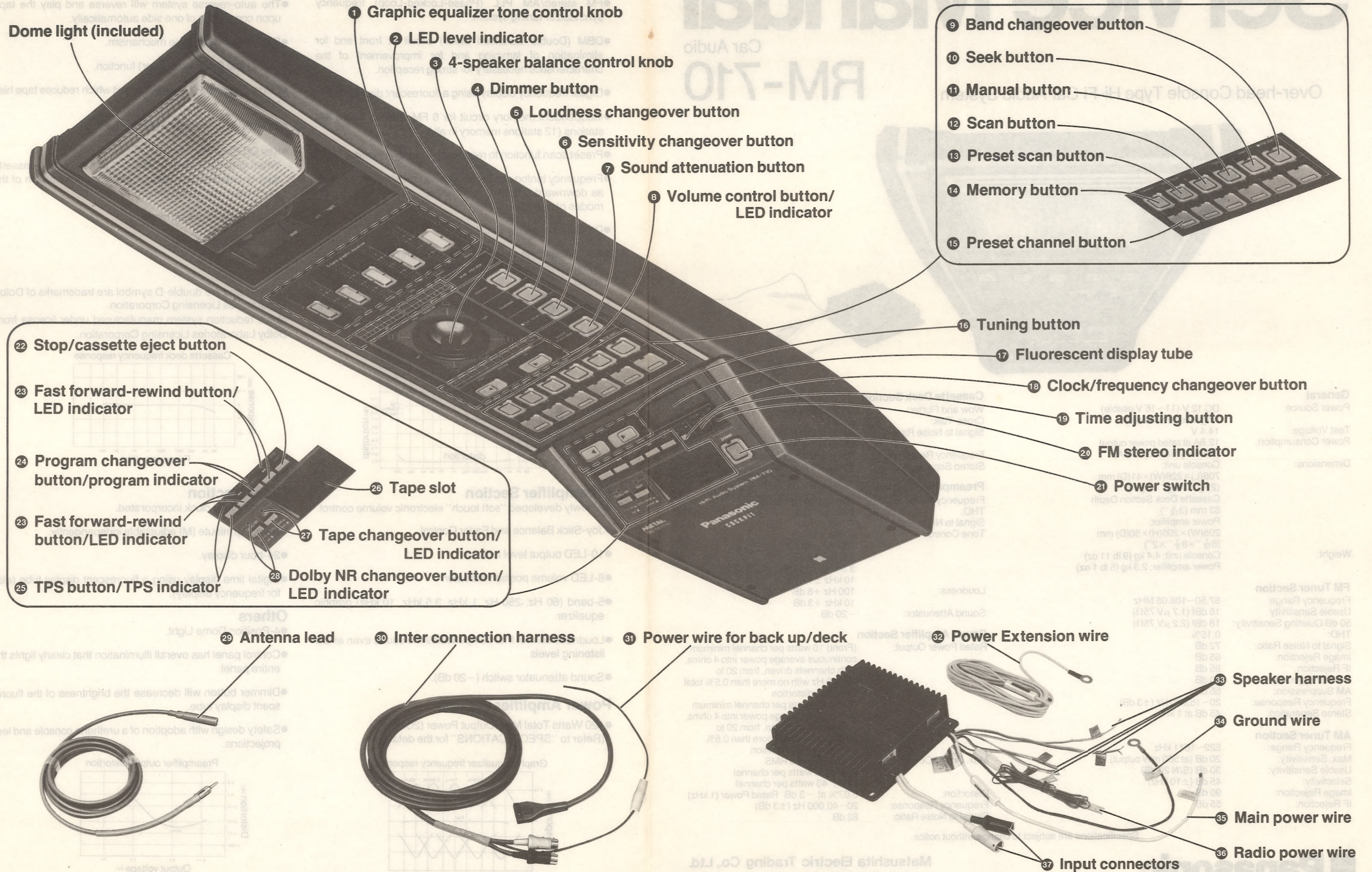
- Quartz digital clock incorporated.
- Hour (H)/minute (M) adjustable independently.
- 24-hour display.
- Digital time display using a fluorescent display tube (also for frequency display).

Others

- 4-Position Dome Light.
- Control panel has overall illumination that clearly lights the entire panel.
- Dimmer button will decrease the brightness of the fluorescent display tube.
- Safety design with adoption of a urethane console and less projections.

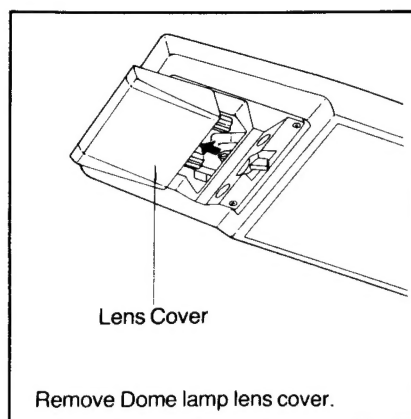


CONTROLS AND FUNCTIONS

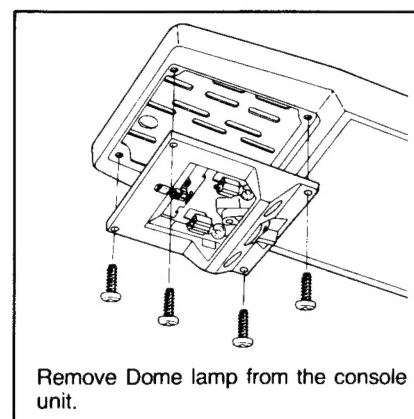


HOW TO REMOVE OVER-HEAD CONSOLE UNIT FROM THE ROOF

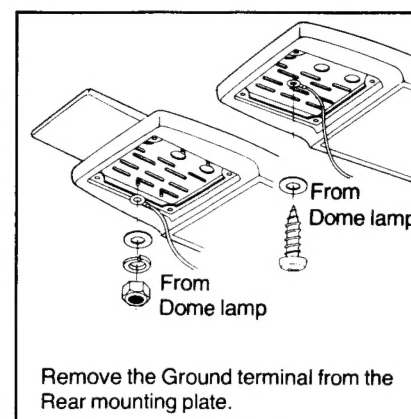
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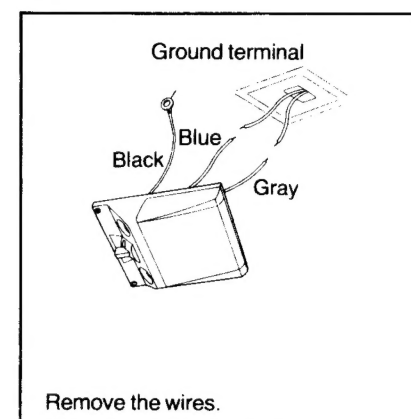
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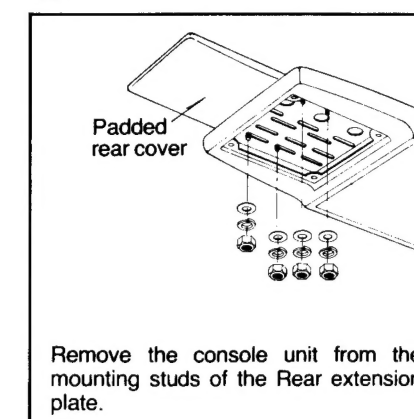
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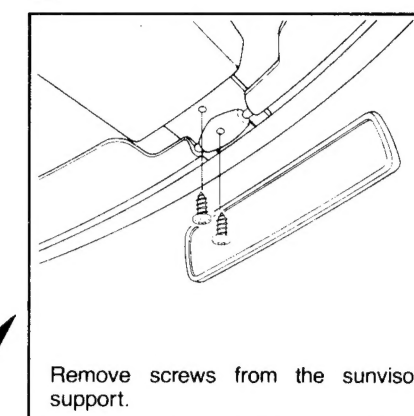
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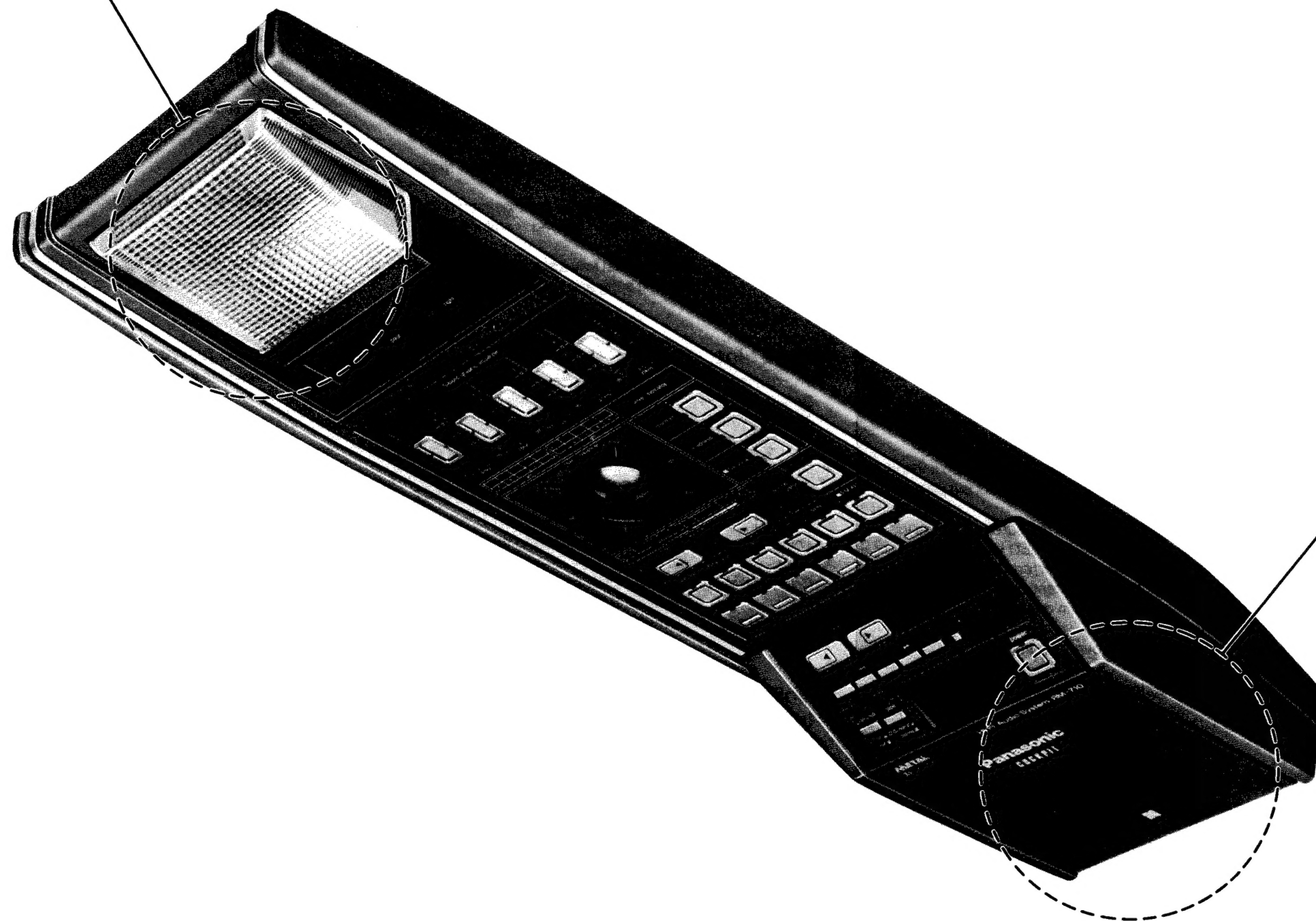
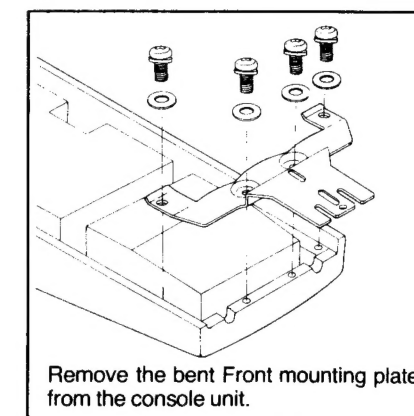
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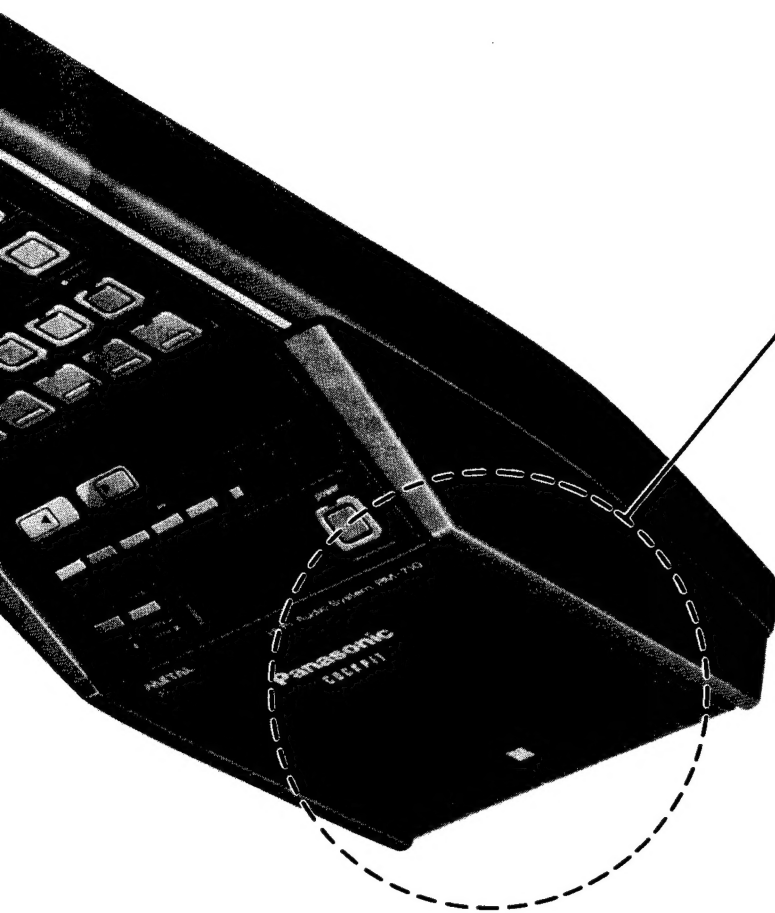
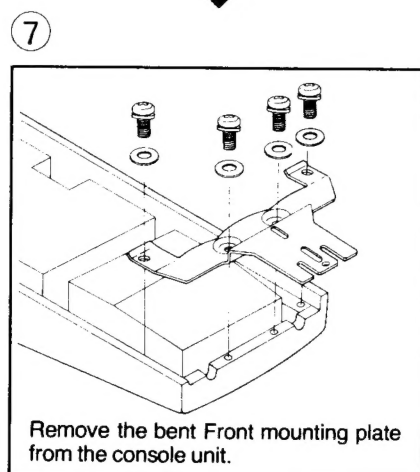
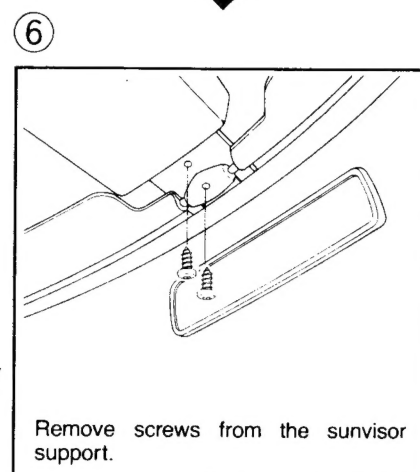
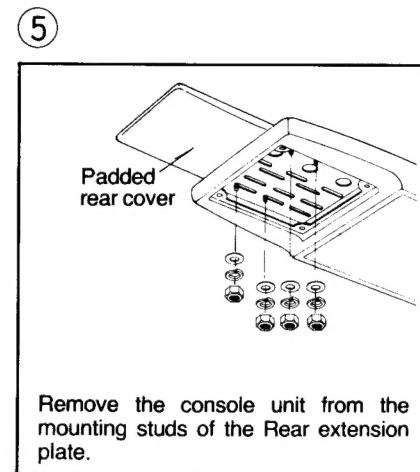
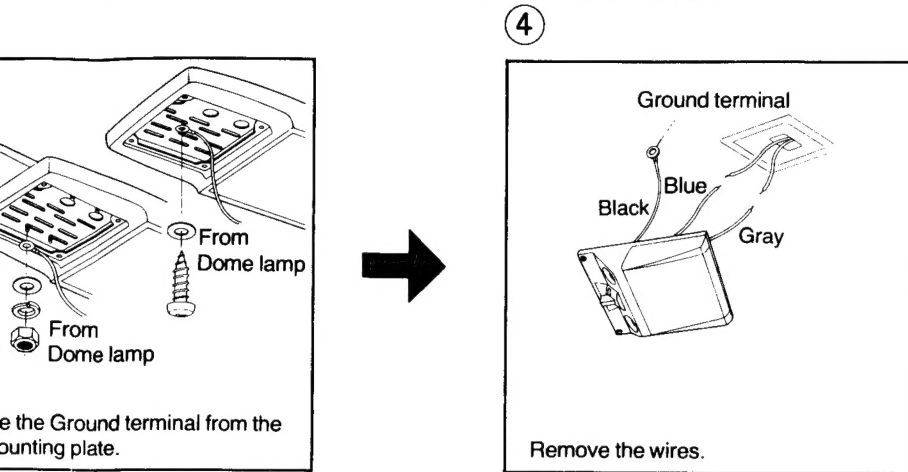
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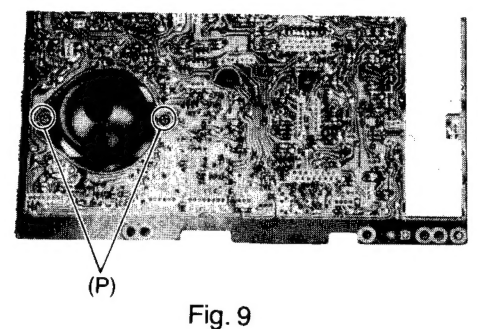
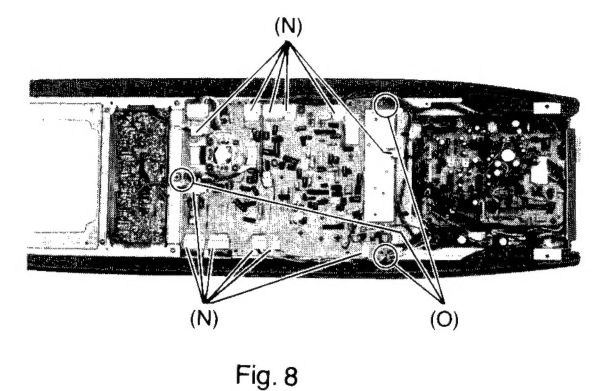
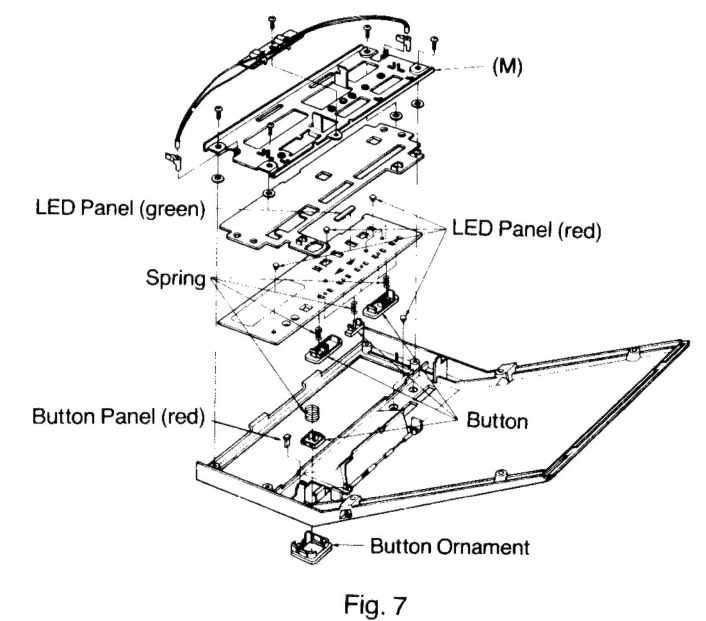
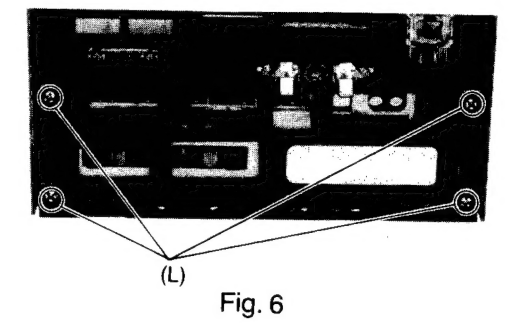
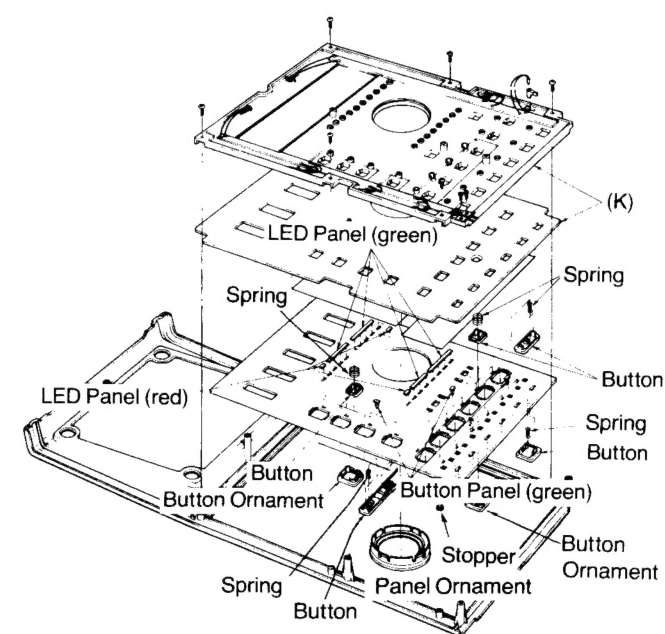
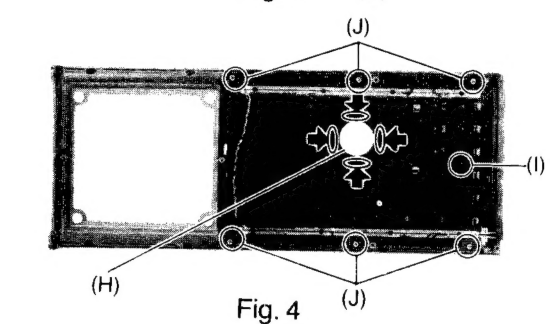
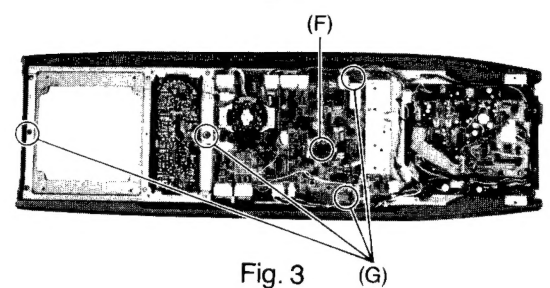
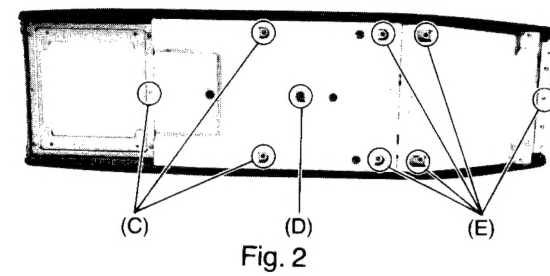
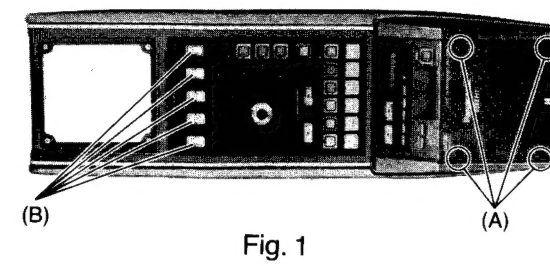
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AD CONSOLE UNIT FROM THE ROOF



DISASSEMBLY INSTRUCTIONS



① Graphic equalizer tone control knob [5-band graphic equalizer]

This enables control of the frequency response at the following 5 points: 60 Hz, 250 Hz, 1 kHz, 3.5 kHz and 10 kHz. Use this to adjust the sound to the tone quality of your preference, bearing in mind that the acoustic inside a vehicle differ according to the interior decor and other factors.

When each knob slid on the "+" side, the sound corresponding to it's frequency is emphasized, and when it is slid on the "-" side, the corresponding sound is attenuated. For example, depending on the position of speakers, the treble may lack in strength but this can be compensated for if each of the 5 knobs is adjusted properly.

② LED level indicator [level indicator]

The output levels of the left and right speakers are indicated with the LED level indicator.

③ 4-speaker balance control [joy stick] knob [balancer]

This is a 4 way Balance/Fader Control. It is used to adjust the volume balance between right/left channels and front/rear speakers.

If the control is moved forward, front speaker volume increases. If it is moved to the rear, rear speaker volume increases, and when it is moved left to right, the left/right balance is adjusted.

Adjust this control for well balanced sound when using 4 speakers. If 2 speakers are used, be sure to set this control in the center of rear/forward positions.

④ Dimmer button [dimmer]

When this button is turned on (LED lit), the brightness of the fluorescent display tube⑦ will decrease.

⑤ Loudness changeover button [loudness]

Low frequencies (bass) become less audible to the human ear as sound level (volume) reduces.

With this button turned on, the bass as well as the treble are strengthened when the sound level is low. This will produce the desired compensation.

"Loudness" effect is, however, reduced as the sound level on the LED indicator reads more than "5".

⑥ Sensitivity changeover button [DX-local]

•This enables changeover of FM reception sensitivity. Normally this is to be set "DX" (with the indicator lit).

•This button should be set "local" when it is desired to limit reception to powerful stations.

When the "seek tuning" or "scan tuning" is in operation, this button can be used to changeover the sensitivity for automatic frequency stop.

This button should be set "local" when it is desired to limit reception to powerful stations.

⑦ Sound attenuation button [sound attenuator]

This is turned on when it is desired to reduce the sound level without effecting the adjustment of the volume control button②, for instance, when you talk to another person.

The sound level is then attenuated to -20 dB.

⑧ Volume control button and LED indicator

The "up" button is depressed in order to increase the volume, and the "down" button is depressed in order to decrease the volume.

One push of the button changes the volume by one step, and will continuously change if the button is held. The volume level is visible by the position of the lit LED (1 of 8).

⑨ Band changeover button

This button is used to choose FM or AM.

The LED is lit when FM position is selected.

⑩ Seek button [seek]

When, with this button depressed, the tuning button⑫ (up or down) is pushed, the tuner will count (up or down) and stop at the next valid frequency.

⑪ Manual button

When, with this button depressed, the tuning button⑫ (up or down) is pushed, manual tuning is performed.

⑫ Scan button [scan]

When, with this button depressed, the tuning button⑫ (up or down) is pushed, the tuner will count (up or down) and stop at the next valid frequency. After 5 seconds the same is repeated for the next frequency.

The "scan" function can be stopped by pushing the tuning button⑫ (up or down) again during the 5 seconds of reception.

⑬ Preset scan button [preset scan]

When this button is depressed, one of the preset channels is tuned in automatically and after 5 seconds of reception the same is repeated for the next preset channel. The channel is skipped if it is not broadcasting at that time.

The "preset scan" function can be stopped by depressing the preset channel button⑮ for that frequency, or pressing again the preset scan button⑬ during the 5 seconds of reception.

⑭ Memory button [memory]

6 FM and 6 AM stations, 12 stations in all, can be memorized in the preset channels (ch. 1—ch. 6 of the preset channel buttons).

In order to use the Memory button to store a frequency in memory, proceed as follows:

- While receiving the desired frequency, depress the Memory button.
- Depress the Preset channel button⑮ (ch.1—ch. 6) desired, and the frequency is stored in this location.

⑮ Preset channel button [ch. 1—ch. 6]

This button is depressed when you want to tune in to the station memorized in one of the 12 locations (6 for AM/6 for FM). The desired station can be tuned in to instantly (by one-touch manipulation).

⑯ Tuning button [tuning]

up: When this button is depressed, the frequency displayed on the fluorescent display tube counts up (higher).

down: When this button is depressed, the frequency displayed on the fluorescent display tube counts down (lower).

A single push of either button moves the frequency up or down by 0.05 MHz in case of FM and 9 kHz in case of AM.

⑰ Fluorescent display tube

This will give a digital display of the frequency in MHz (FM) and kHz (AM) received by the radio or the time (in hours and minutes) at the moment.

⑱ Clock/frequency changeover button

When this button is depressed, the fluorescent display tube changes over as follows.

clock (▲): Time is displayed.

When any of the button relating to frequency is operated, however, the tube shifts to frequency display for 5 seconds.

freq (■): Frequency is always displayed. When the radio is operating.

⑲ Time adjusting button [clock (H/M)]

This button is to be depressed after setting the clock/frequency changeover button⑱ to "clock (▲)". The clock starts when this button is depressed. In order to depress it, you may use something sharp-pointed such as a ball-point pen.

"H" button . . . for setting "hour"

"M" button . . . for setting "minute"

Even if the "minute" display on the fluorescent display tube⑰ changes from "59" to "0", the "hour" display will not be advanced.

⑳ FM stereo indicator [FM stereo]

An LED is lit indicating that the broadcast being received is stereo.

㉑ Power switch [power]

When this button is depressed, the LED lights up and the power is turned on for all components except the cassette deck.

When you do not use the system, be sure to depress this button to switch the power off. The LED then goes off. With this switch turned off, however, and the automobile's key switch is "on", the fluorescent display tube⑰ is lit, and the following switches are in operation.

- Band changeover button⑨
- Clock/frequency changeover button⑱
- Dimmer button④
- Time adjusting button⑲

㉒ Stop/cassette eject button [stop/eject]

When this button is depressed, tape play will stop and the cassette is ejected.

12 Scan button [scan]

When, with this button depressed, the tuning button¹⁶ (up or down) is pushed, the tuner will count (up or down) and stop at the next valid frequency. After 5 seconds the same is repeated for the next frequency.

The "scan" function can be stopped by pushing the tuning button¹⁶ (up or down) again during the 5 seconds of reception.

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When this button is depressed, one of the preset channels is tuned in automatically and after 5 seconds of reception the same is repeated for the next preset channel. The channel is skipped if it is not broadcasting at that time.

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up: When this button is depressed, the frequency displayed on the fluorescent display tube counts up (higher).

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When you do not use the system, be sure to depress this button to switch the power off. The LED then goes off.

With this switch turned off, however, and the automobile's key switch is "on", the fluorescent display tube¹⁷ is lit, and the following switches are in operation.

- Band changeover button³
- Clock/frequency changeover button¹⁸
- Dimmer button⁴
- Time adjusting button¹⁹

22 Stop/cassette eject button [stop/eject]

When this button is depressed, tape play will stop and the cassette is ejected.

23 Fast forward/rewind button/LED indicator [◀◀ / ▶▶]**●Fast forward**

Depress the ◀◀ button to Fast forward when the ◀ on the program indicator²⁴ is lit. The ▶▶ button is to be depressed to Fast forward when the ▶ is lit.

●Rewind

Depress the ▶▶ button to rewind when the ◀ on the program indicator²⁴ is lit. The ◀◀ button is to be depressed to rewind when the ▶ is lit.

When the tape reaches its end in the fast forward or rewind mode, the tape reverses automatically and play back is started.

24 Program changeover button/program indicator [program]

When this button is depressed during playback, the tape program changes from A side to B side or from B side to A side with simultaneous changeover of the program indicator.

**25 TPS button/TPS indicator [TPS]
[Tape Program Sensor]**

This button is to be depressed during playback mode followed by F.F. or REW:

Rewind: Tape will rewind to the beginning of the song being played and resume playback.

Fast forward: Tape will fast forward to the beginning of the next song and resume playback.

26 Tape slot

The cassette tape is inserted into this slot.

Be sure to insert the cassette tape with the open section (the side where tape is visible) on the left.

27 Tape changeover button/LED indicator [tape]

This button is set as follows according to the tape to be used.

CrO₂/metal (▲): When a CrO₂ type tape or a metal tape is used. (LED comes on.)

normal (▲): When an ordinary tape is used.

28 Dolby NR changeover button/LED indicator [Dolby NR]

in (▲): When a tape recorded in Dolby mode is played back. (LED comes on.)

Noise is reduced and the sound played back is free of loud tape hiss.

out (▲): When the tape played back is not recorded in Dolby mode.

29 Antenna lead

Connect to the car antenna.

30 Inter connection harness

Connect to the Input connectors of the power amplifier.

31 Power wire for back up/deck

Connect to the power extension wire.

32 Power extension wire

Connect to the (+) terminal on the car's battery or to the terminal on the fuse block marked as battery.

33 Speaker harness

Connect to optional speaker systems.

34 Ground wire

Connect to a grounded, metallic part of the car.

35 Main power wire

Connect to the power extension wire (included). Then connect it to the (+) terminal on the car's battery or to the fuse box section marked "battery" which is connected with a wire of #12 (AWG) or larger.

36 Radio power wire

Connect to the "ACC" terminal of the car's fuse block.

37 Input connectors

Connect to the Inter connection harness³⁰.

Power amplifier protection circuit

The power amplifier contains a protection circuit to safeguard the unit from damage.

It cuts off the main amplifier's circuits automatically, when the speaker leads or terminals are shorted. (The FM/AM tuner, cassette deck and preamplifier continue to function normally.)

If there is no sound even when the Volume control button⁹ (up) is depressed and the LED level indicator² lights up, this circuit may have been actuated. Switch the power off and check the speaker connections before switching the power on again.

DISASSEMBLY INSTRUCTIONS (Power Amplifier)

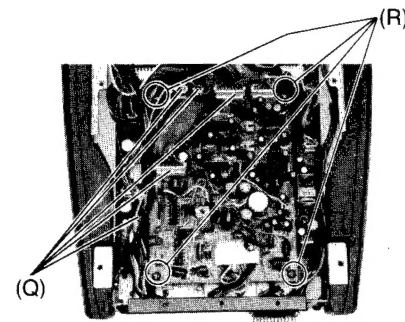


Fig. 10

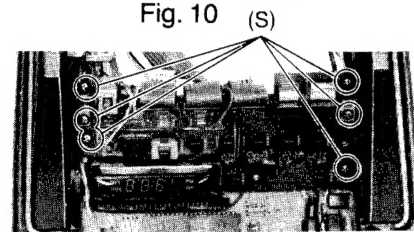


Fig. 11

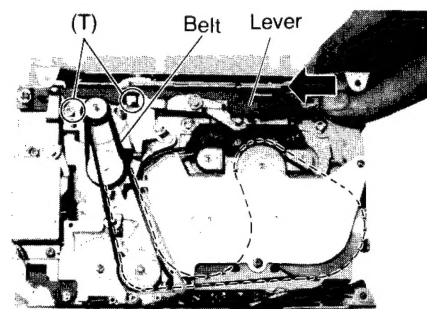


Fig. 12

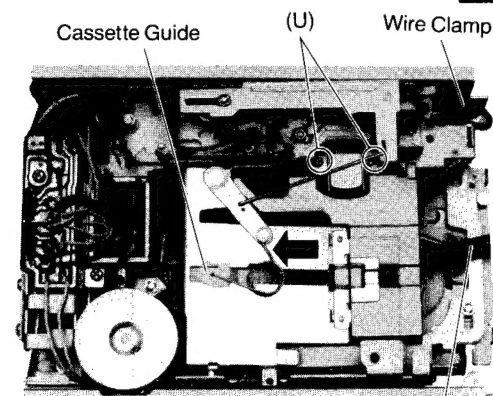


Fig. 13

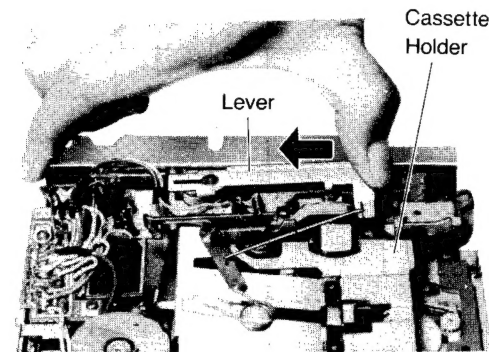


Fig. 14

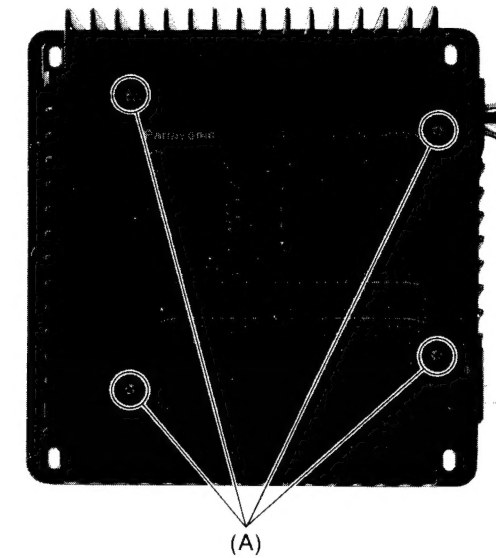


Fig. 15

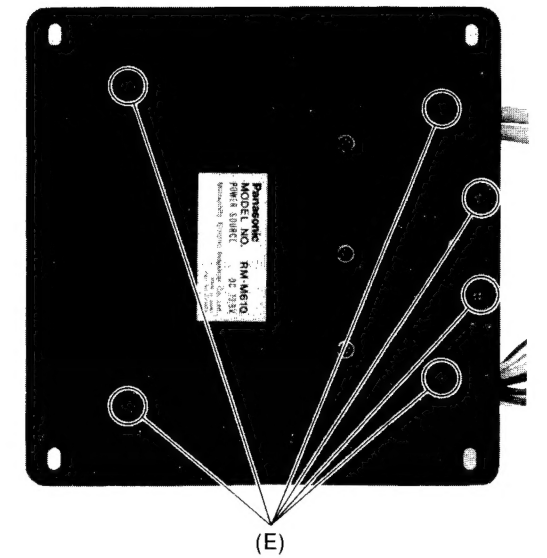


Fig. 17

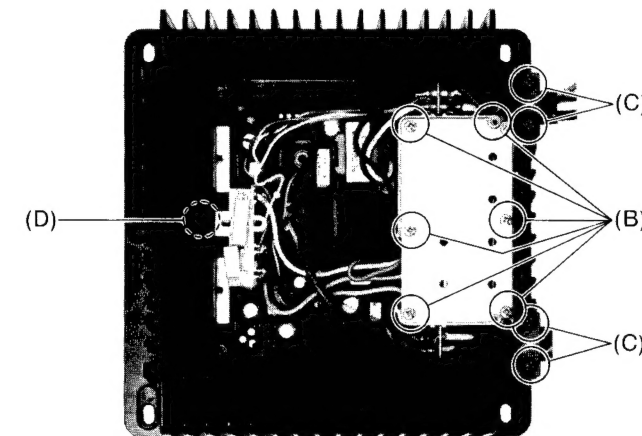


Fig. 16

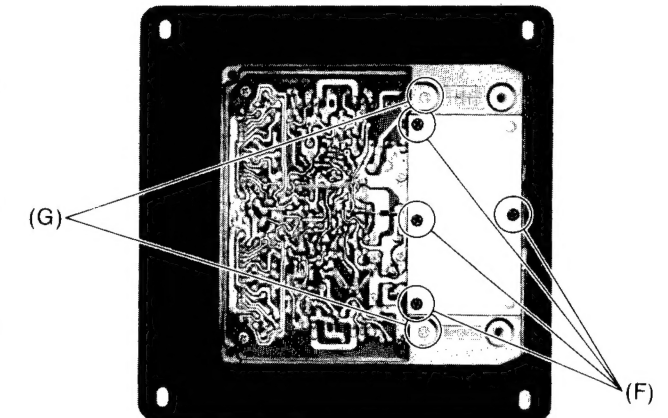


Fig. 18

Procedure	To remove—	Remove—	Shown in Fig—
1	Operation Panel and Cassette Panel	Screws (3×14) (A)×4	1
2		Knobs (B)×5	1
3		Red Screws (3×10) (C)×3	2
4		Red Screws (3×20) (D)×1	2
5		Red Screws (3×6) (E)×5	2
6		Red Screws (3×20) (F)×1	3
7		Red Screws (3×10) (G)×4	3
8	Button (Volume, dimmer etc.) - *1	Push the catches in the direction of arrows. (H)×1	4
9		Push the stopper (I)×1	4
10		Screws (3×10) (J)×6	4
11		Panel (K)×2	5
12	Button (power, TPS etc.) - *1	Screws (3×8) (L)×4	6
13		Bracket (M)×1	7
14	Circuit Board	Sockets (N)×12	8
15		Screws (3×6) (O)×3	8
16	Balancer	Screws (3×6) (P)×2	9
17	Cassette Deck	Sockets (Q)×5	10
18		Red Screws (3×8) (R)×4	10
19	Switch Circuit Board	Screws (3×6) (S)×6	11
20	Motor - *2	Push the lever and remove screws (T)×2	12
21	Head - *3	Push the cassette guide and loosen the wire clamp.	13
		Screw (U)×2	13

Notes:

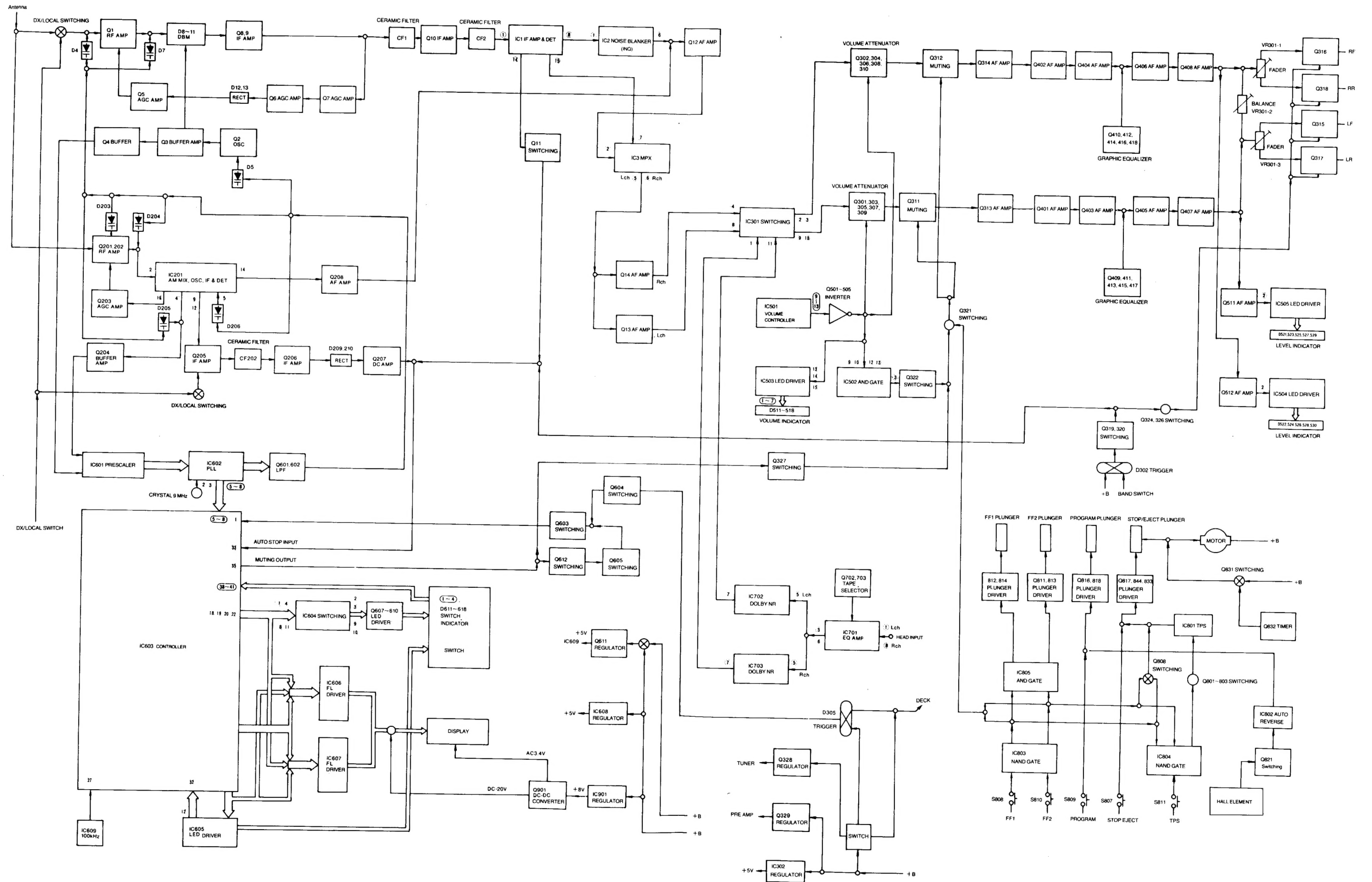
*1. Set the button and LED panels as they are shown in fig. 5 & 7.

*2. Set the motor belt as shown in fig. 12.

*3. Push the lever and reset the cassette holder as shown in fig. 14.

Procedure	To remove—	Remove—	Shown in Fig—
1	Upper Cover	Screw (3×8) (A)×4	15
2	Shield Cover	Screw (3×8) (B)×6	16
3	Cord Clamp	Screw (3×10) (C)×4	16
4	Lug	Screw (3×14) (D)×1	16
5	Bottom Cover	Screw (3×8) (E)×6	17
6	Shield Cover	Screw (3×8) (F)×4	18
7	Bracket	Screw (3×6) (G)×2	18

BLOCK DIAGRAM



ALIGNMENT

1. Set power switch to on.
2. Set 5-band graphic equalizer to center.
3. Set loudness switch to off.
4. Set balance control to center.
5. Set volume control to maximum.
6. Set dolby NR switch to out.
7. Set tape switch to normal.
8. Set band switch to AM/FM.
9. Set DX-local switch to DX.
10. Set sound attenuator to off.

■ AM IF ALIGNMENT

BAND	AM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	AJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY			
AM	Antenna socket (AM RF Dummy Fig. 20)	450 kHz	Point of noninterference.	T201 (AM 1st IFT) T202 (AM 2nd IFT) T203 (AM 3rd IFT)	Adjust for maximum output.

■ AM RF ALIGNMENT

BAND	AM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	DC VOLT METER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
1	Disconnect	No signal applied	530 kHz	... + ... -	L205 (AM OSC Coil)	Adjust for 1.3±0.05 V reading on DC voltmeter.
2	Disconnect	No signal applied	1610 kHz	... + ... -	CT203 (AM OSC Trim)	Adjust for 7.8±0.1 V reading on DC voltmeter.
3	Repeat steps 1 and 2.					
BAND	AM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	AC VOLT METER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
4	Antenna socket (AM RF Dummy Fig. 20)	600 kHz	600 kHz	... + ... -	L203 (AM ANT Coil) L204 (AM ANT Coil) L206 (AM ANT Coil)	Adjust for maximum reading on AC voltmeter.
5	"	1400 kHz	1400 kHz	... + ... -	CT201 (AM ANT Trim) CT202 (AM ANT Trim) CT204 (AM ANT Trim)	"
6	Repeat steps 4 and 5.					

■ FM IF ALIGNMENT

BAND	SWEEP GENERATOR		FREQUENCY DISPLAY SETTING	ADJUSTMENT	REMARKS	WAVE FORM
	CONNECTIONS	FREQUENCY				
1	... + ... -	10.7 MHz	Point of noninterference.	T2 (FM 1st IFT) Note: Do not adjust T1 and T3.	① Turn VR1 fully clockwise (0Ω). ② Pull out the core of T4 until V curve appears. ③ Adjust for maximum amplitude and proper linearity.	
2	... + ... -	10.7 MHz	"	T4 (FM 2nd IFT)	Adjust for maximum amplitude.	

■ AM AUTO STOP VOLTAGE ALIGNMENT

BAND	AM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	DC VOLT METER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
AM	Antenna socket	1000 kHz (1 kHz, 30% Mod, 25~30 dB, 17~31 μV)	1000 kHz	... + ... -	T204 (AM Auto Stop)	Adjust for maximum reading on DC voltmeter.

■ FM RF ALIGNMENT

BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	DC VOLT METER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
1	Disconnect	No signal applied	88.1 MHz	... + ... -	L3 (FM OSC Coil)	Adjust for 1±0.05 V reading on DC voltmeter.
2	Disconnect	No signal applied	107.9 MHz	... + ... -	CT2 (FM OSC Trim)	Adjust for 8±0.1 V reading on DC voltmeter.
3						
BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	AC VOLT METER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
4	Antenna socket (FM RF Dummy Fig. 21)	90.1 MHz (1 kHz, 100% Mod)	90.1 MHz	... + ... -	L5 (FM OSC Coil) L6 (FM ANT Coil) L2 (FM ANT Coil)	Adjust for maximum reading on AC voltmeter.
5	"	106.1 MHz (1 kHz, 100% Mod)	106.1 MHz	... + ... -	CT3 (FM OSC Trim) CT4 (FM ANT Trim) CT1 (FM ANT Trim)	"
6	Repeat steps 4 and 5.					

■ DC BALANCE ALIGNMENT

BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	DC VOLT METER (center "0")	DISTORTION METER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY					
FM	Antenna socket	98.1 MHz (1 kHz, 100% Mod, 60 dB, 1 mV)	98.1 MHz	... + ... -	... + ... -	T4 T5 (FM IFT)	① Adjust T4 for 0 V reading on DC voltmeter. ② Adjust T5 for less than 0.3% reading on distortion meter.

■ NOISE BLANKER (INQ) ALIGNMENT

BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	PULSE GENERATOR (1μs/10 V)	OSCILLOSCOPE	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY					
FM	Antenna socket	98.1 MHz (1 kHz, 100% Mod, 44 dB, 158 μV)	98.1 MHz	Antenna socket	... + ... -	VR2 (INQ)	Adjust for minimum pulse wave form on oscilloscope.

FM STEREO ALIGNMENT

Notes: 1. Stereo modulator •Connect stereo modulator output to EXT MOD terminal of signal generator.
 •Pilot signal modulation to "10%".
 2. FM signal generator •Frequency approximately 100 MHz/Output level to "60~70 dB", 1~3 mV.
 •Modulation mode to "FM".

CIRCUIT	SIGNAL GENERATOR	FREQUENCY COUNTER	AC VOLTMETER	ADJUSTMENT	REMARKS
PILOT	98.1 MHz (1 kHz, 60 dB, 1 mV) Mod ... 0	$\nabla \dots \oplus$ $\nabla \dots \ominus$	—	VR3 (Pilot)	Adjust for 19.00 kHz \pm 50 Hz reading on frequency counter.
SEPARATION	Antenna socket 98.1 MHz (1 kHz, 80 dB, 10 mV)	—	Output Socket R _F ... + L _F ... + E ... -	VR4 (Separation)	Make adjustment so that when the antenna input is subjected to L modulation (or R modulation.) R channel output (or L channel output) becomes minimum.

HALF MUTING ALIGNMENT

BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	AC VOLTMETER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
FM	Antenna socket	98.1 MHz (1 kHz, 100% Mod. 60 dB, 1 mV)	98.1 MHz	$\nabla \dots +$ $\nabla \dots -$	VR1 (Half Muting)	① Read the AC voltmeter reading. ② Set signal generator output to -10 dB. ③ Adjust VR1 to a point which is 35 dB below the reading value of step ① was shown on AC voltmeter.

L-R LEVEL ALIGNMENT

BAND	FM SIGNAL GENERATOR		FREQUENCY DISPLAY SETTING	AC VOLTMETER	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
FM	Antenna socket	98.1 MHz (1 kHz, 100% Mod, 60 dB, 1 mV)	98.1 MHz	Output socket R _F ... + L _F ... + E ... -	VR406 (Level)	Adjust VR406 until for L _F output is the same as R _F output.

AZIMUTH ALIGNMENT

TAPE	AC VOLTMETER①	AC VOLTMETER②	ADJUSTMENT	REMARKS
Playback the azimuth tape.	Output socket R _F ... + E ... -	Output socket L _F ... + E ... -	Azimuth Screw	Adjust for same reading on AC voltmeter① and ②.

PLAYBACK GAIN ALIGNMENT

TAPE	AC VOLTMETER①	AC VOLTMETER②	ADJUSTMENT	REMARKS
Playback the blank tape.	$\nabla \dots \oplus$ $\nabla \dots \ominus$	$\nabla \dots \oplus$ $\nabla \dots \ominus$	VR701 VR702 (Playback Gain)	Adjust for 580 mV \pm 1 dB reading on AC voltmeter① and ②.

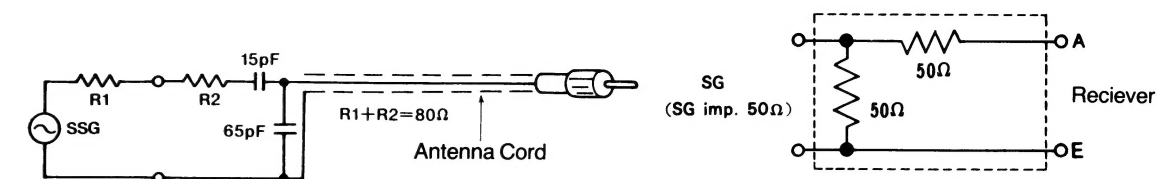


Fig. 20

Fig. 21

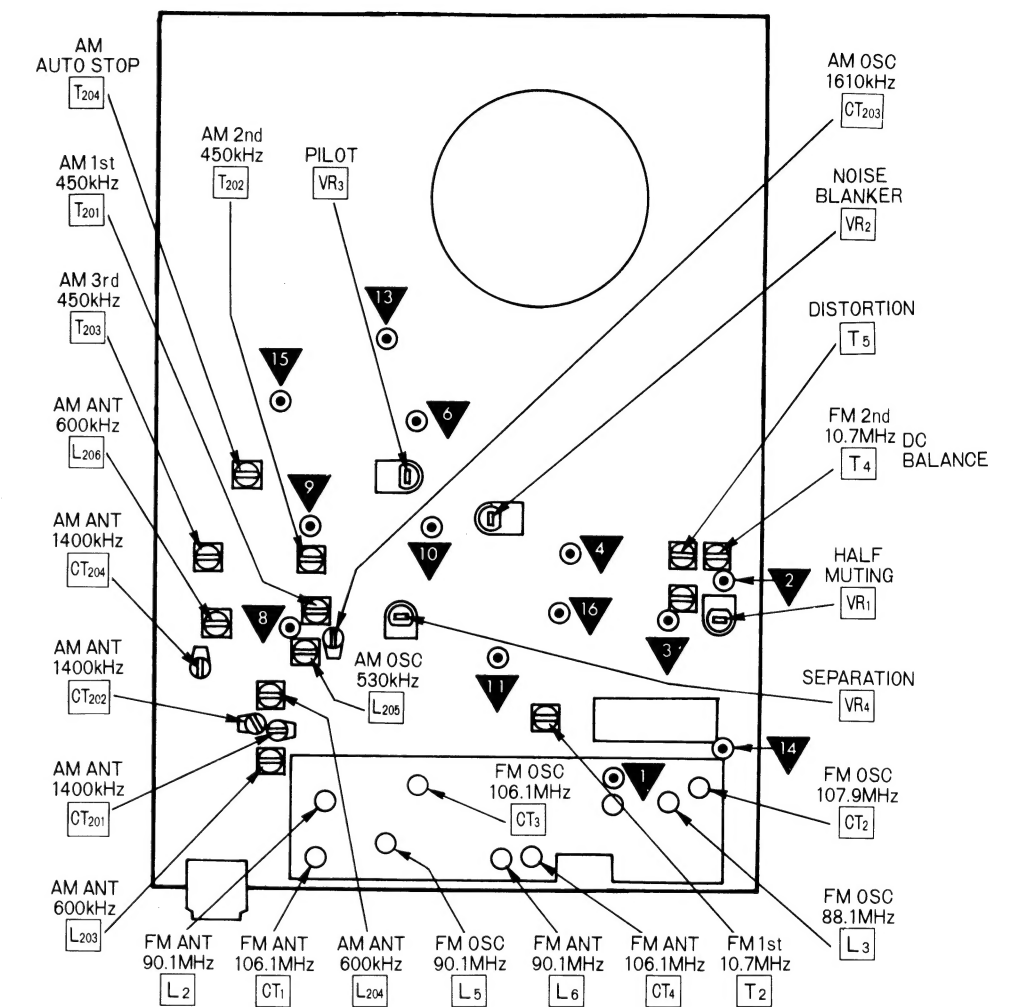


Fig. 22

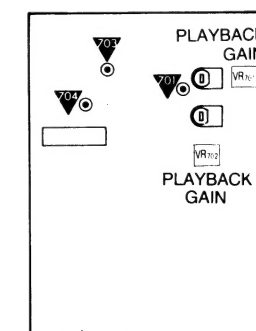


Fig. 23

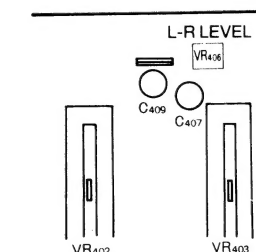


Fig. 24

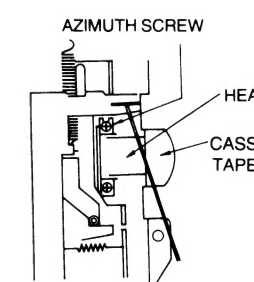


Fig. 25

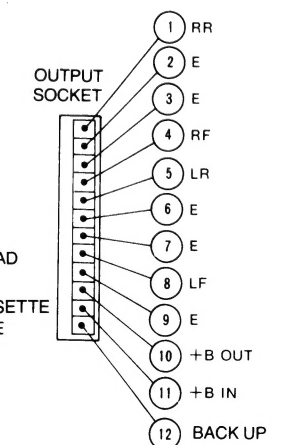
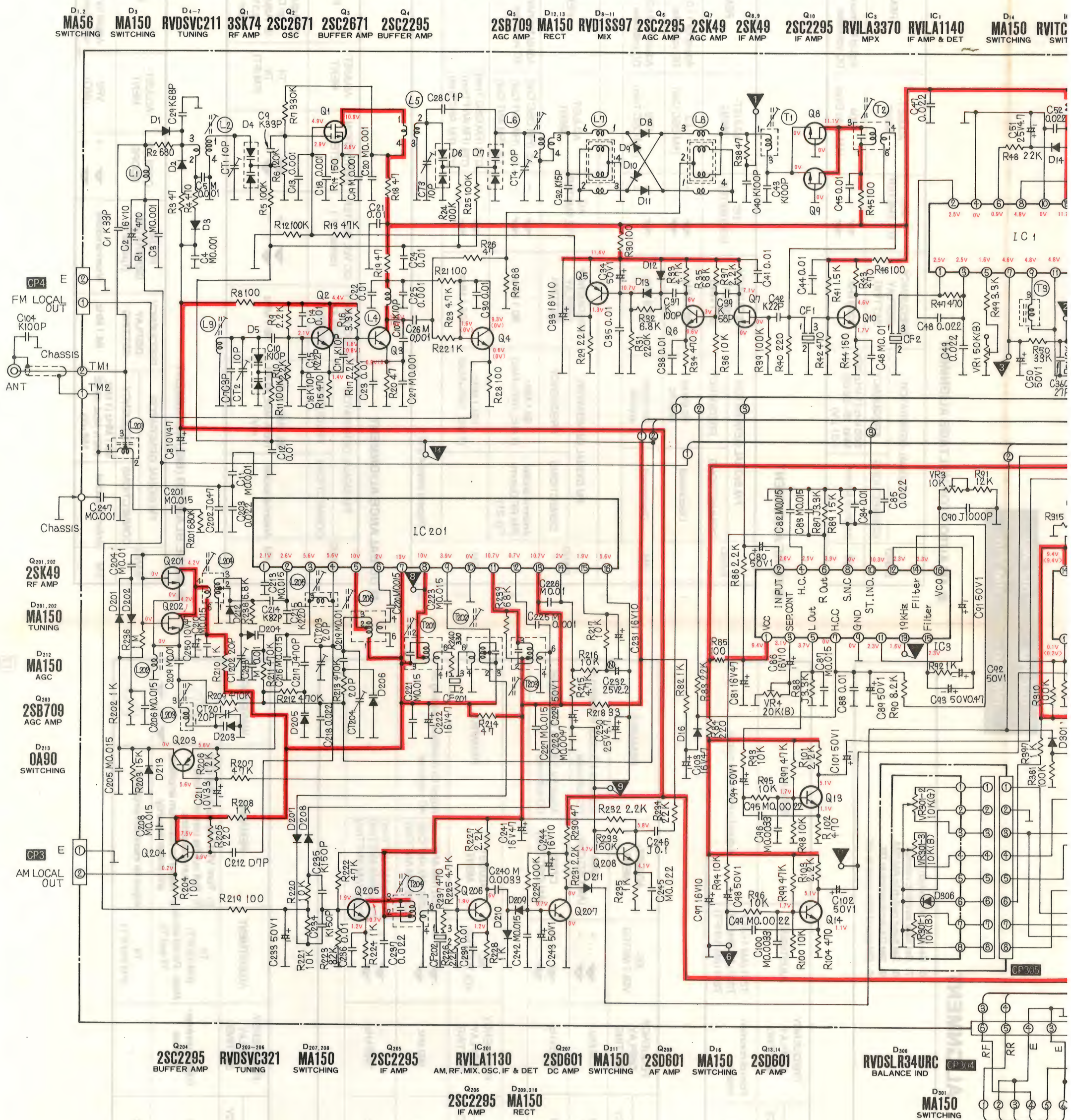
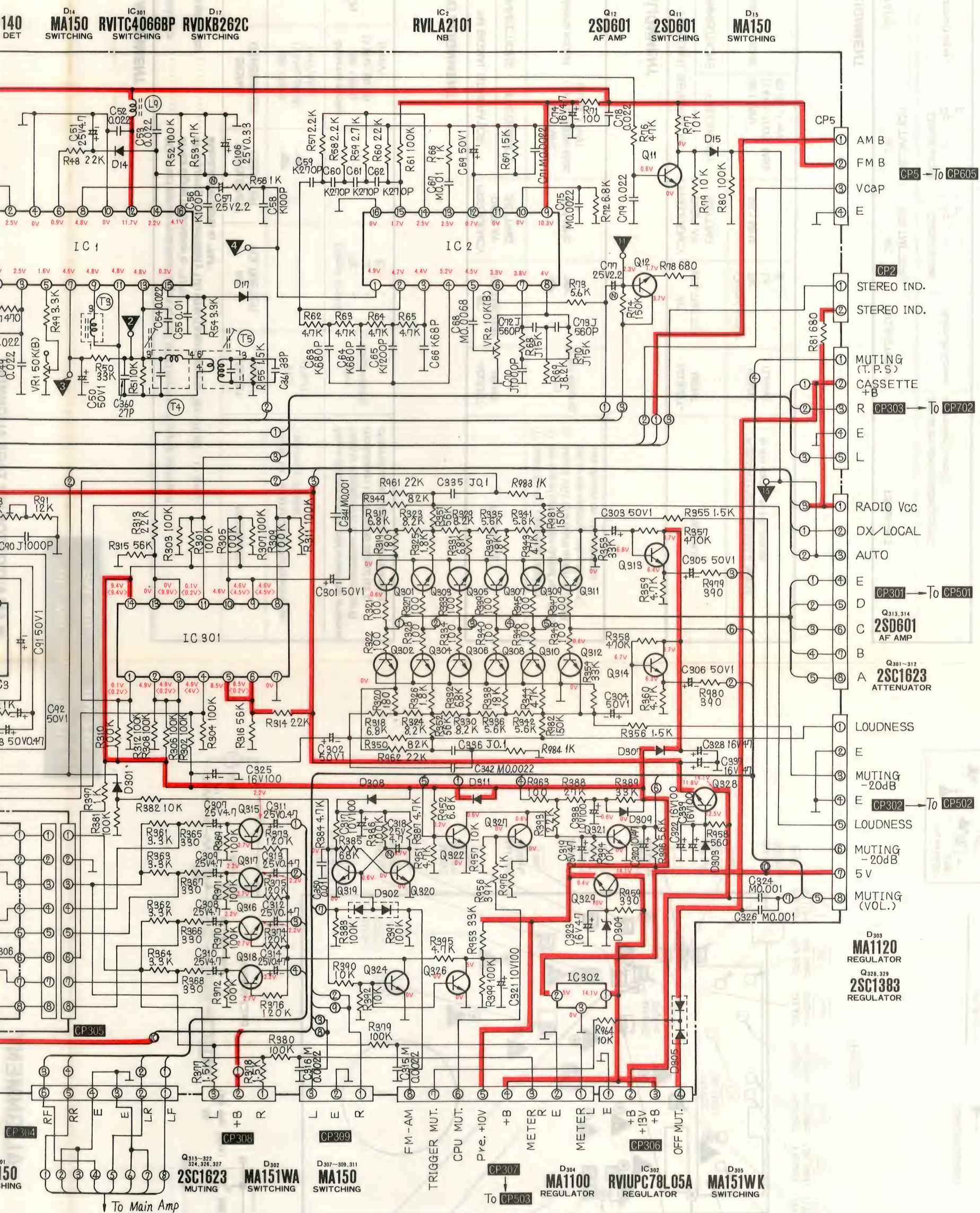


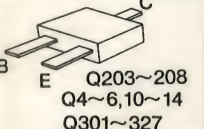
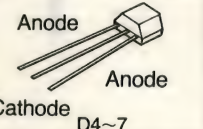
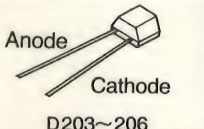
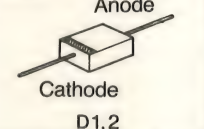
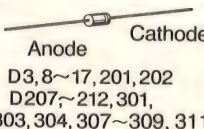
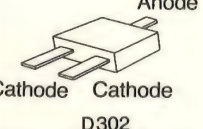
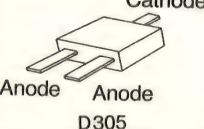
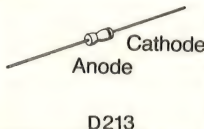
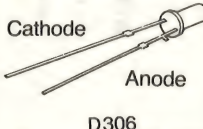
Fig. 26

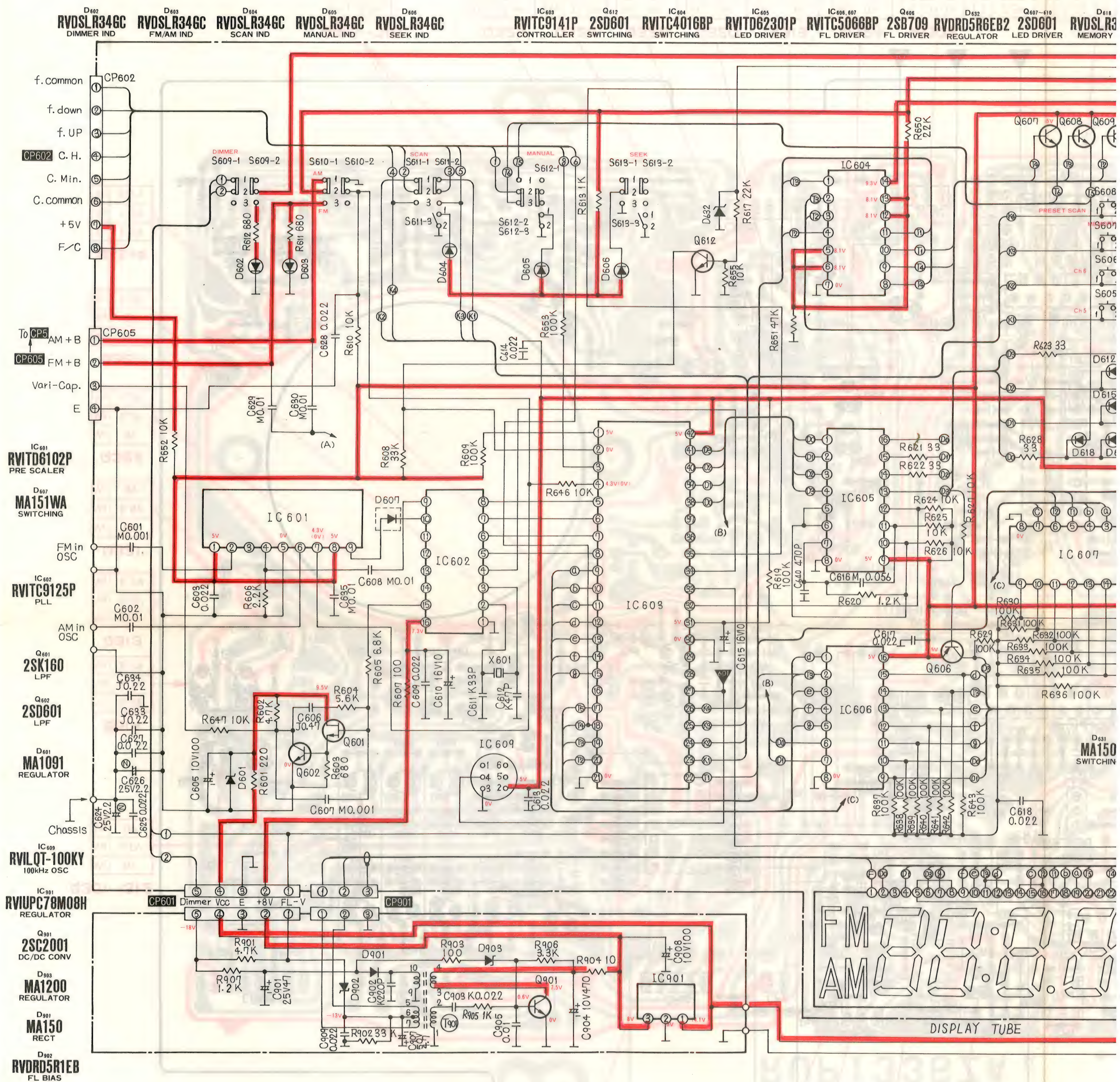


R/AUDIO AMPLIFIER-MODEL RM-710



- IC1, 3, 201
- IC2
- IC301
- IC302
- Q1
- Q7~9, 201, 202
- Q2, 3
- Q328, 329

 <p>Q203~208 Q4~6, 10~14 Q301~327</p>	 <p>Anode Cathode D4~7</p>	 <p>Anode Cathode D203~206</p>	 <p>Anode Cathode D1,2</p>	 <p>Anode Cathode D3,8~17, 201, 202 D207~212, 301, 303, 304, 307~309, 311</p>	 <p>Anode Cathode D302</p>	 <p>Anode Cathode D305</p>	 <p>Anode Cathode D213</p>	 <p>Cathode Anode D306</p>
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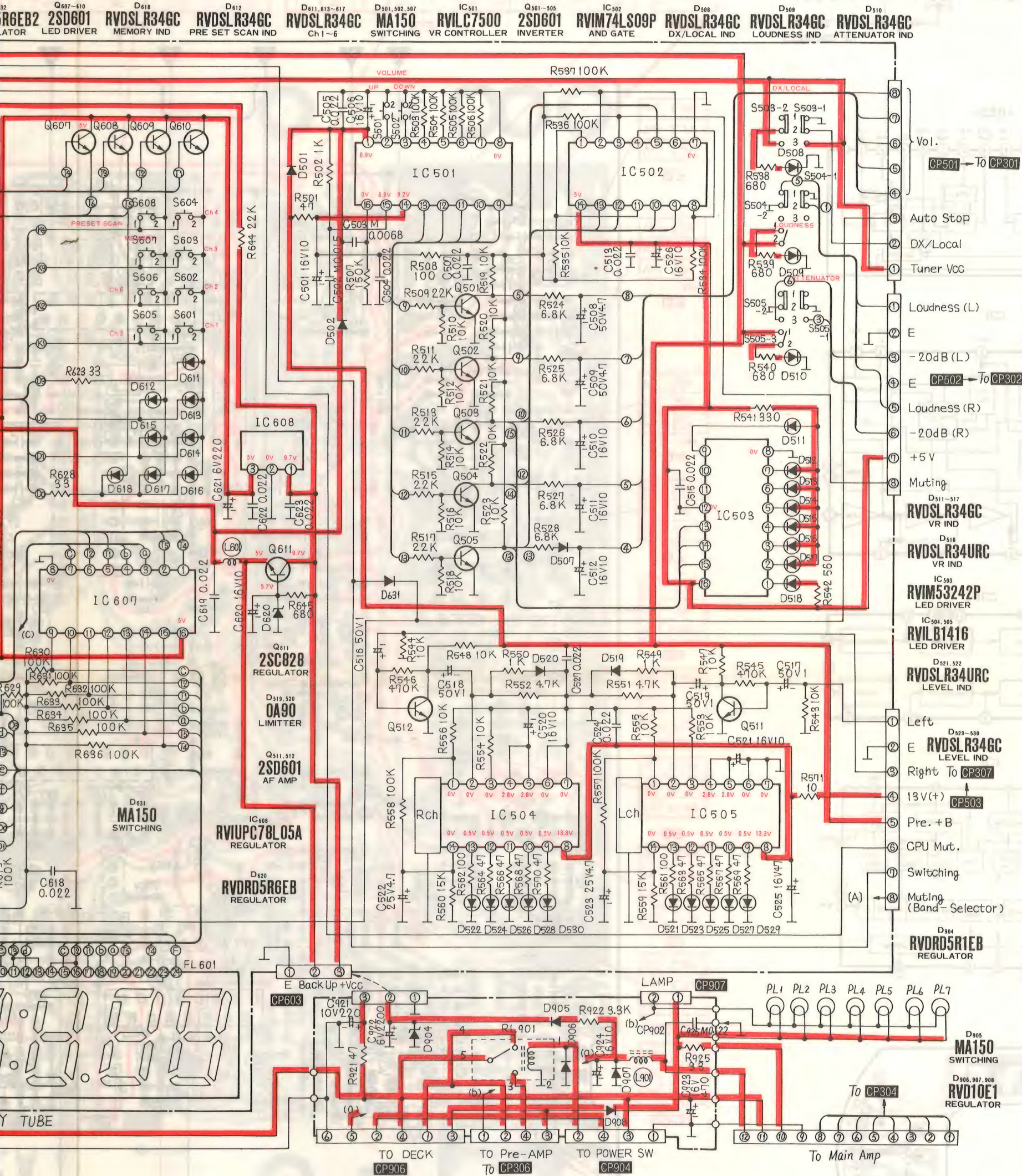
Notes:

1. S501: Volume up switch.
2. S502: Volume down switch.
3. S503: Sensitivity switch in "local" position.
4. S504: Loudness switch in "off" position.
5. S505: Attenuator switch in "off" position.
6. S601~S606: Preset channel switch.
7. S607: Memory switch.
8. S608: Preset scan switch.
9. S609: Dimmer switch.
10. S610: Band switch in "AM" position.
11. S611~S613: Tuning mode switch in "manual" position.
(S611... scan, S612... manual, S613... seek)

12. DC voltage measurements are with respect to ground and are measured with a digital voltmeter. (Supply voltage=DC 12V)

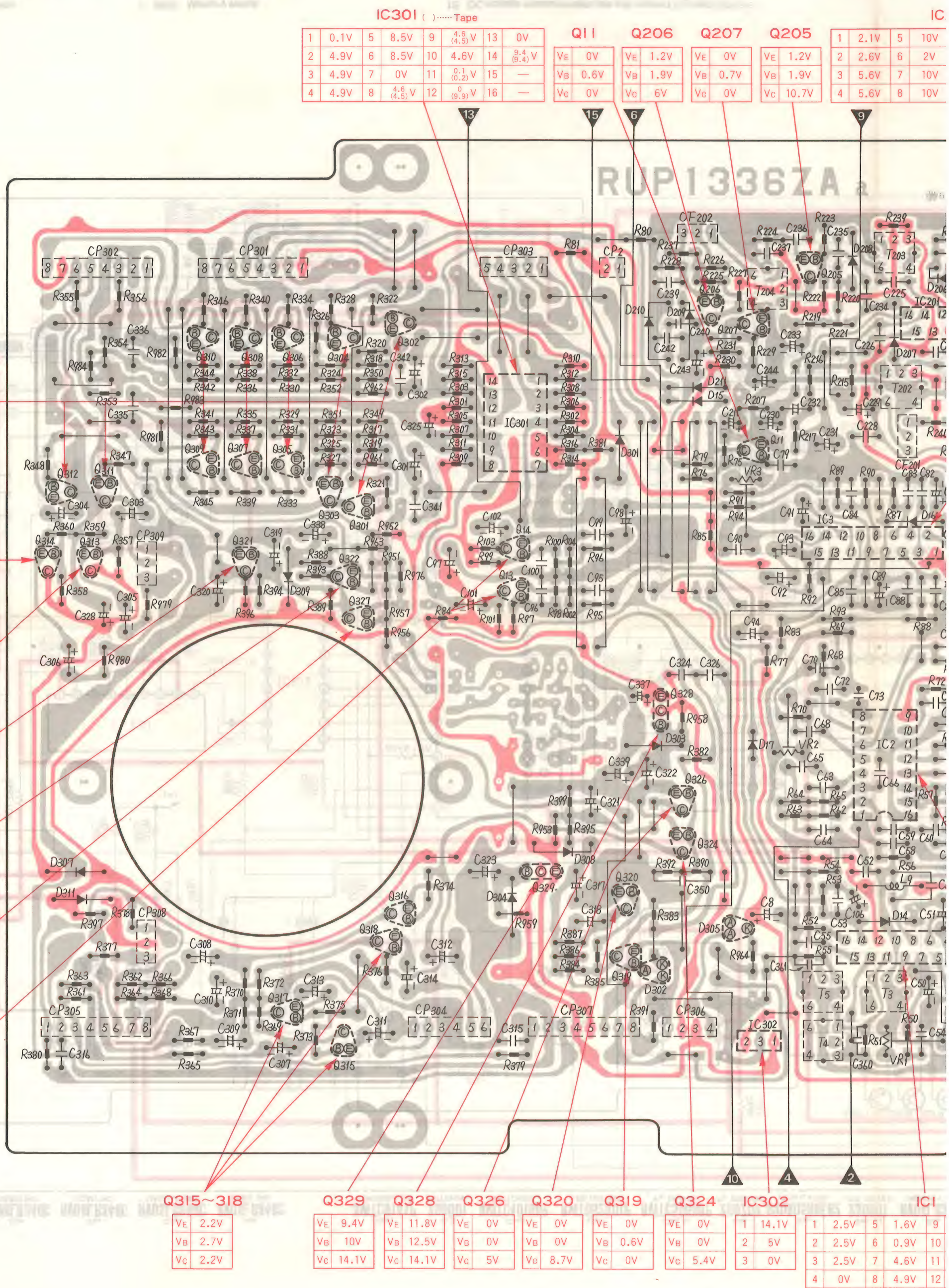
() ... AM position (Frequency and volume minimum)

DIGITAL/DC-DC CONVERTER/POWER SOURCE -MODEL RM-710



	IC 901
	IC 601
	IC 504, 505
	IC 501, 503 IC 602, 605, 606, 607
	IC 502, 604
	IC 603
	IC 608
	IC 609
	Q601
	Q501~505, Q602, Q511, 512, 606~610, 612
	Q611, 901
	Anode Cathode D508~518, 521~530 D602~606, 611~618
	Anode Cathode D501, 502, 507, 601, 620 D631, 632, 901~905
	Anode Cathode D519, 520
	Anode Cathode D607, 610
	Anode Cathode D906~908

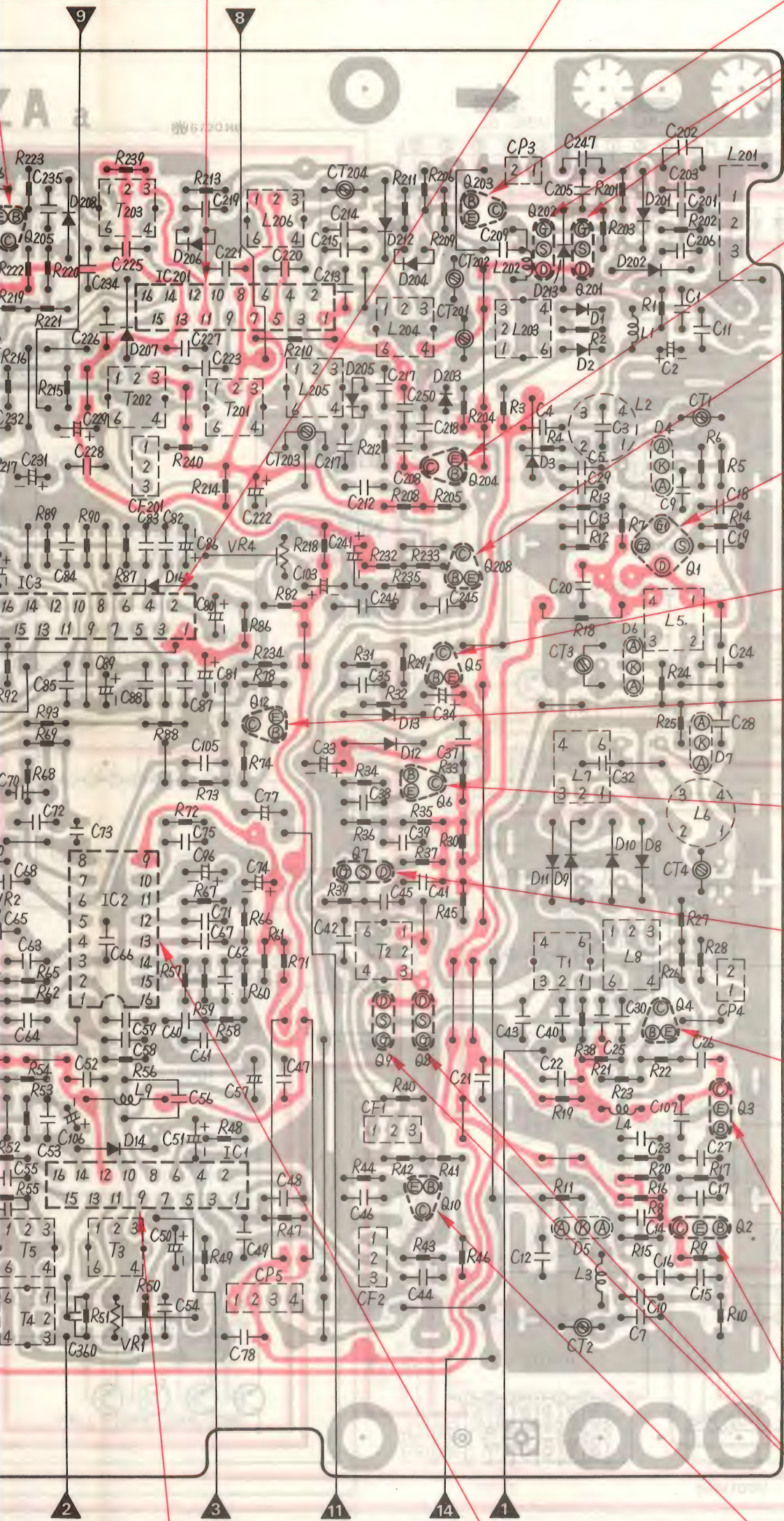
CIRCUIT BOARD WIRING VIEW OF TUNER/AU



SCHEMATIC DIAGRAM OF DIGITAL DC-DC

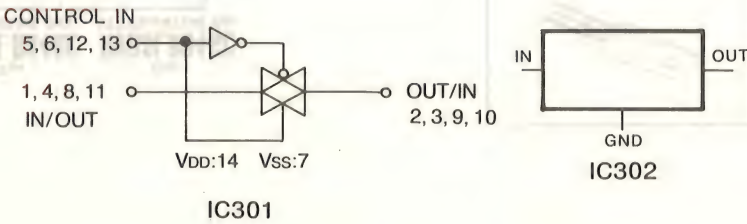
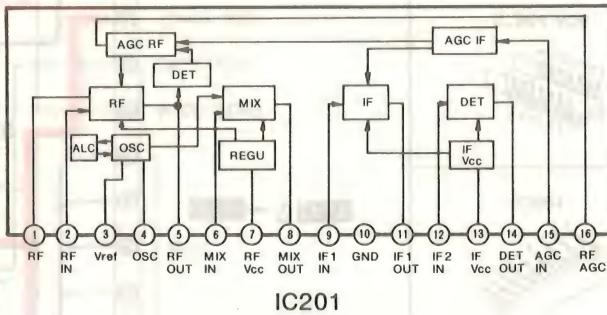
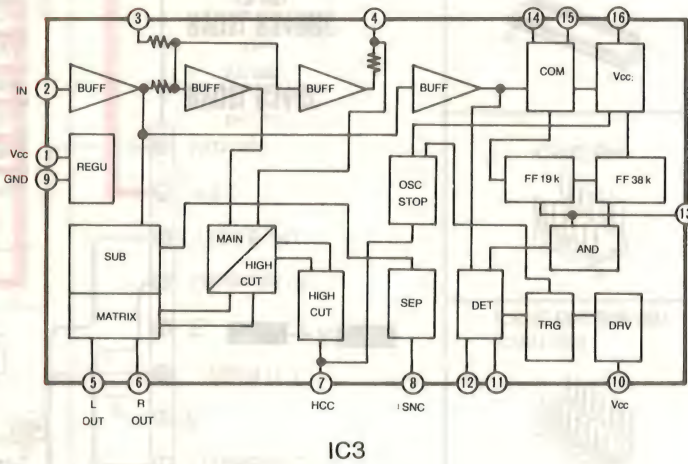
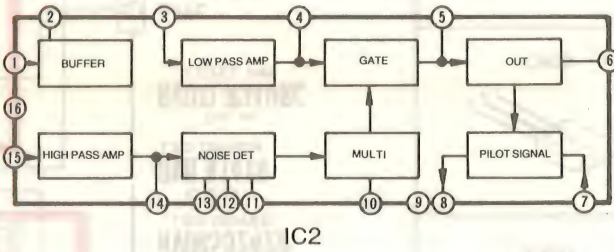
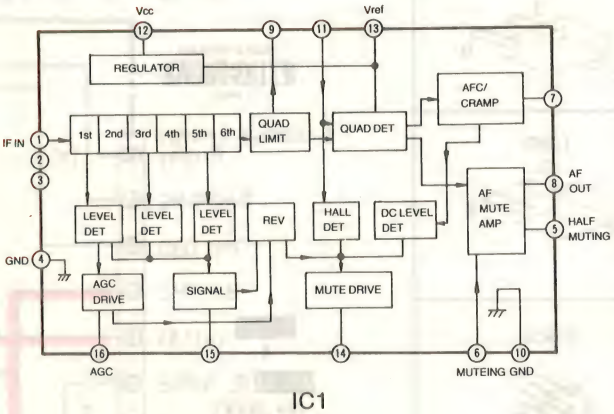
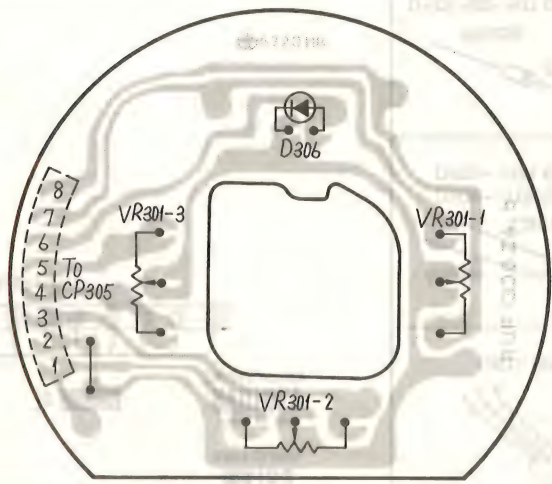
OF TUNER/AUDIO AMPLIFIER-MODEL RM-710

IC201							IC3							Q203			Q201,202		
1	2.1V	5	10V	9	3.9V	13	10.7V	1	9.4V	5	3.7V	9	0V	13	1.6V	V _E	5.6V	V _S	4.2V
2	2.6V	6	2V	10	0V	14	2V	2	2.6V	6	3.9V	10	10.3V	14	2.3V	V _B	5.6V	V _G	0V
3	5.6V	7	10V	11	10.7V	15	1.9V	3	3.1V	7	0V	11	2.3V	15	2.3V	V _C	0V	V _D	4.2V
4	5.6V	8	10V	12	0.7V	16	5.6V	4	2.5V	8	0V	12	2.3V	16	2.3V				



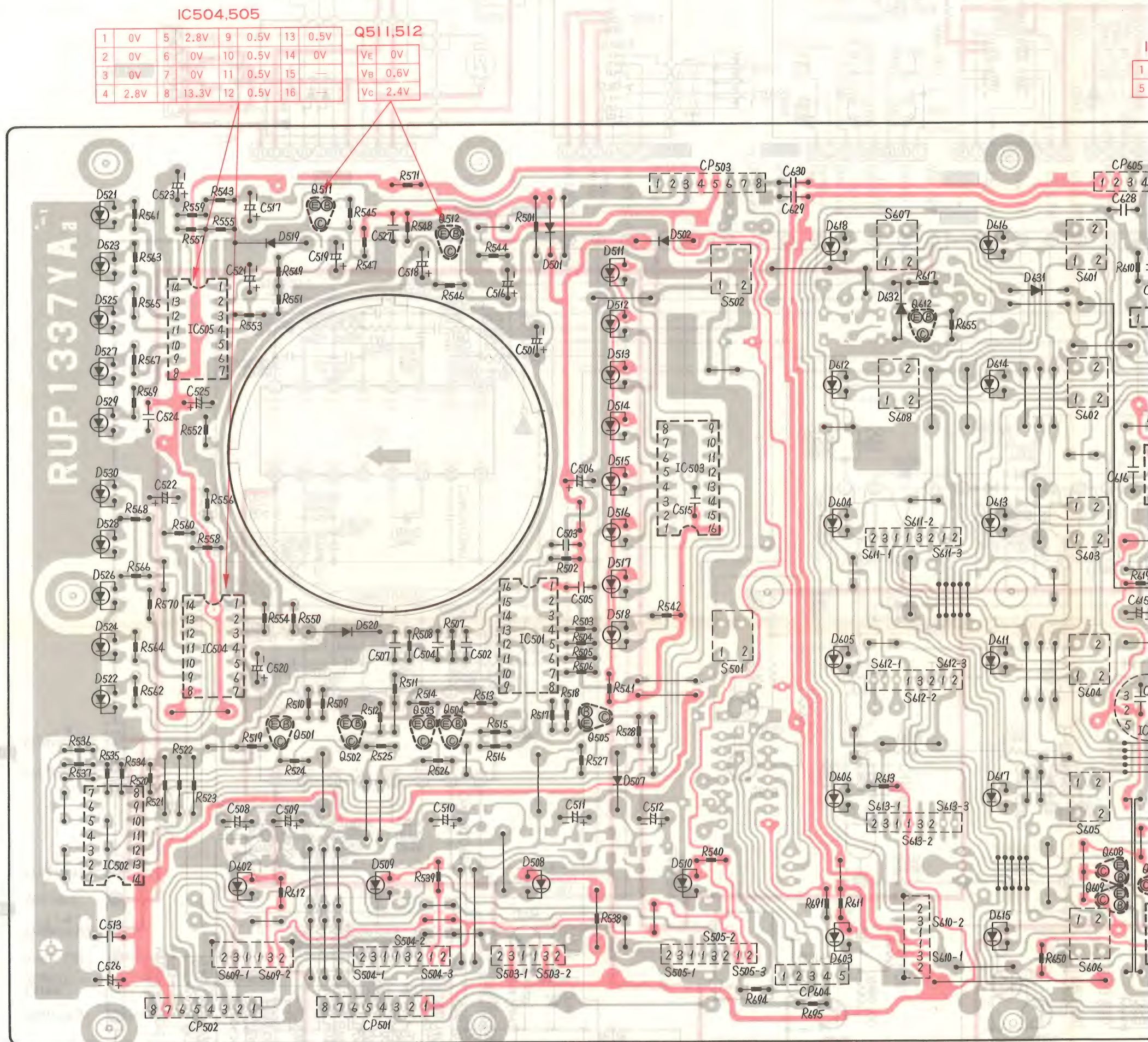
IC1							IC2							Q10			Q8,9		
1	2.5V	5	1.6V	9	4.8V	13	4.8V	1	4.9V	5	4.5V	9	10.3V	13	2.5V	V _E	1.7V	V _S	0V
2	2.5V	6	0.9V	10	0V	14	2.2V	2	4.7V	6	3.3V	10	0V	14	2.5V	V _B	2.5V	V _G	0V
3	2.5V	7	4.6V	11	4.8V	15	0.3V	3	4.4V	7	3.8V	11	0V	15	1.7V	V _C	4.6V	V _D	11.1V
4	0V	8	4.9V	12	11.7V	16	4.1V	4	5.2V	8	4V	12	0.7V	16	0V				

BALANCER CIRCUIT BOARD

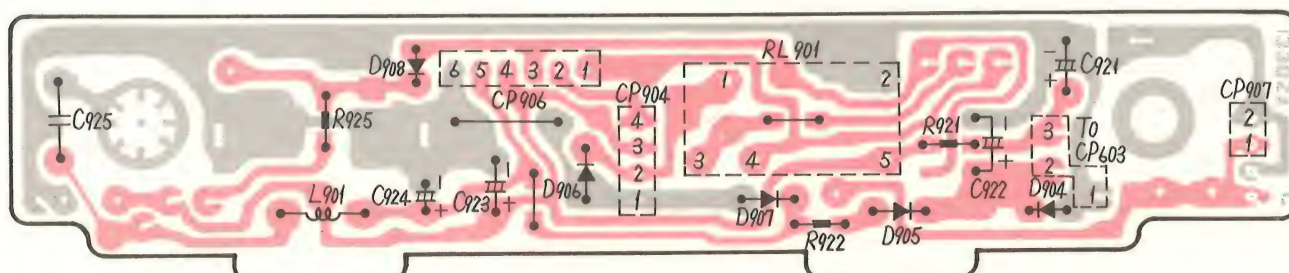


CIRCUIT BOARD WIRING VIEW OF DIGITAL/DC-DC CONV

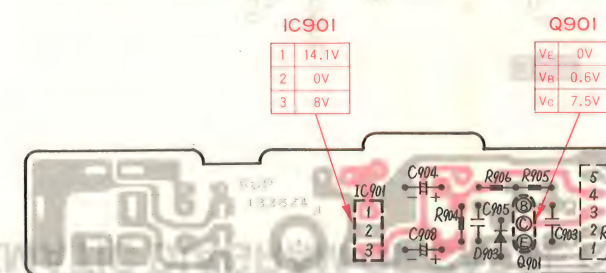
DIGITAL CIRCUIT BOARD

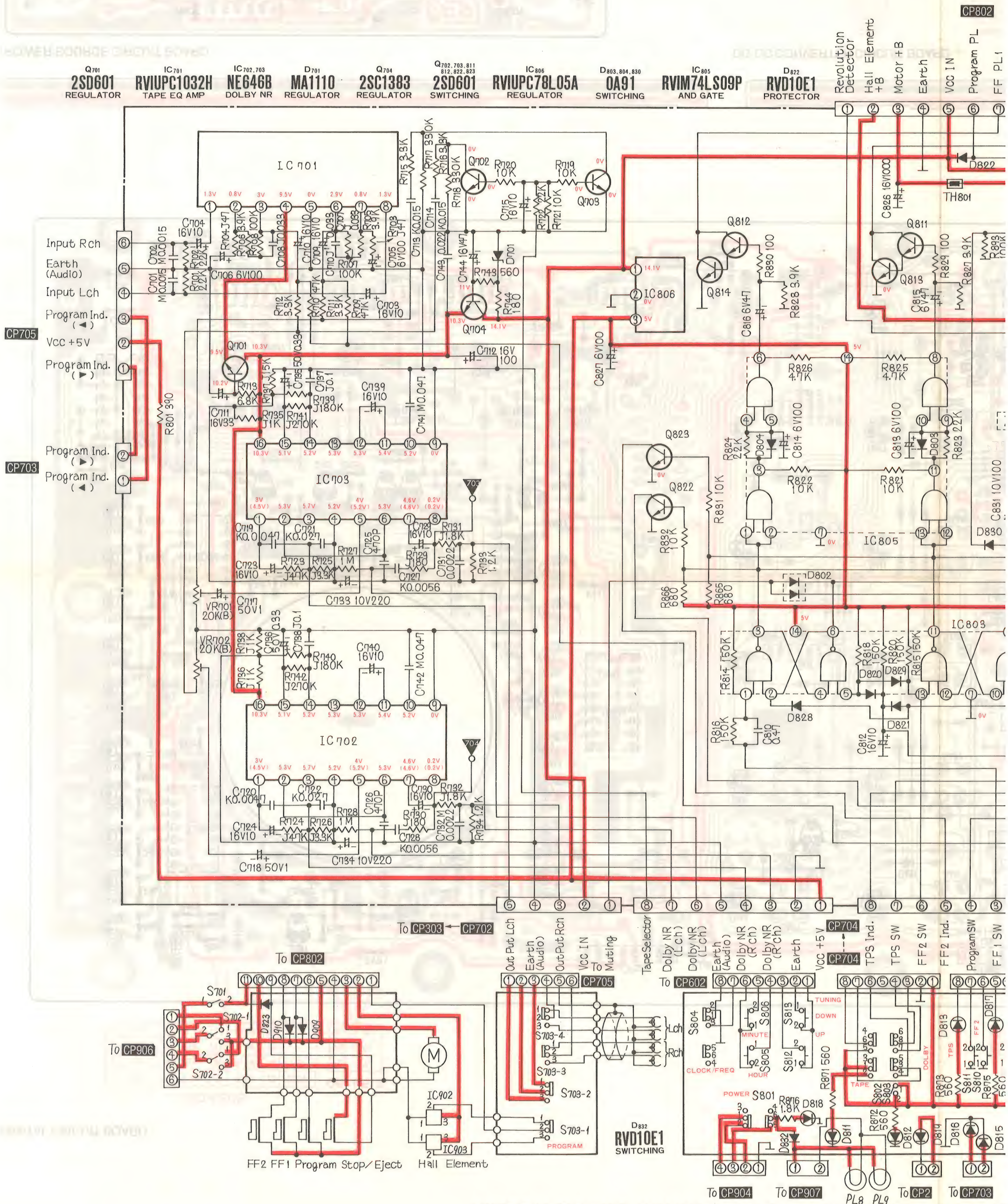


POWER SOURCE CIRCUIT BOARD

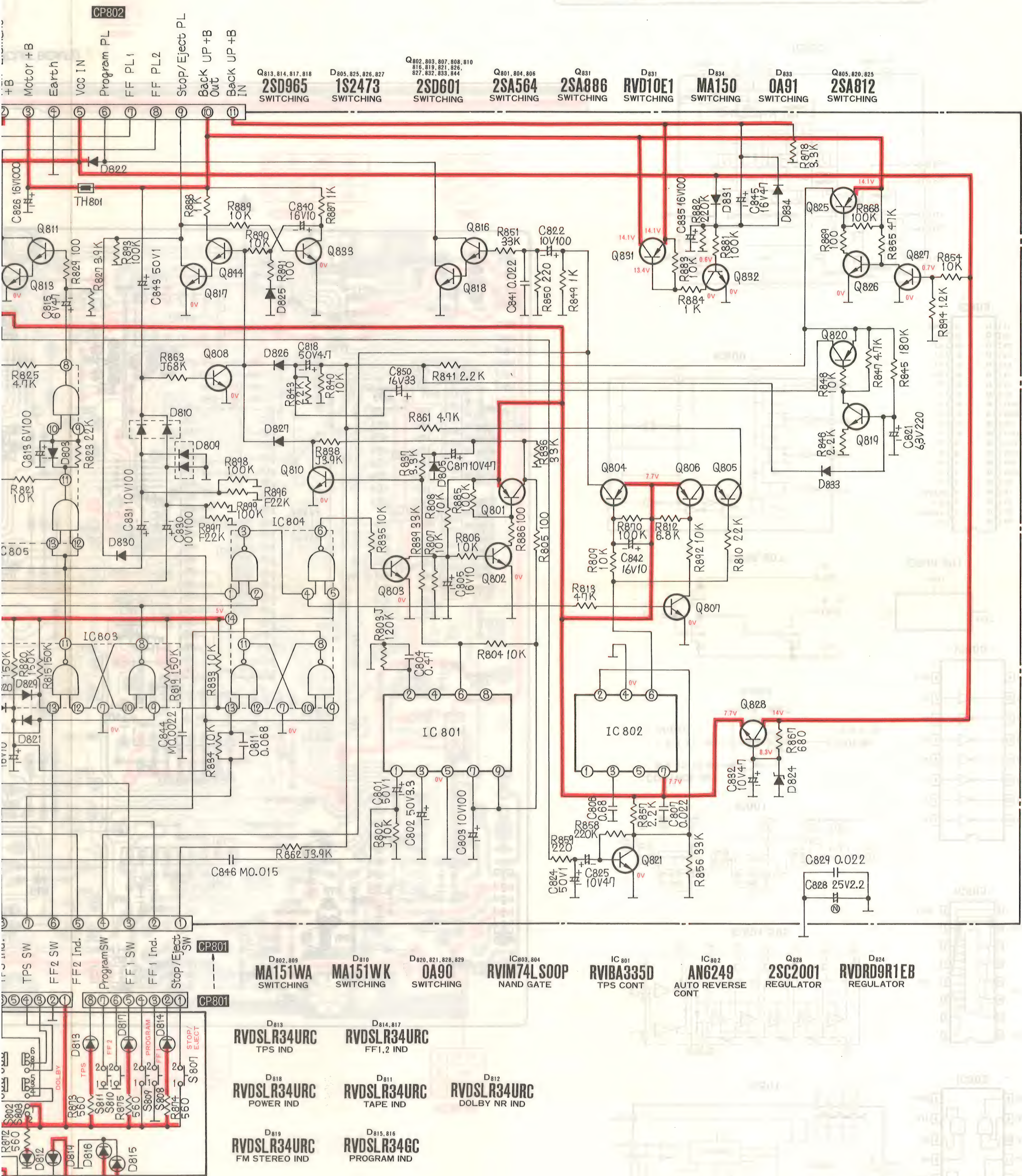


DC-DC CONVERTER CIRCUIT BOARD





M OF CASSETTE DECK-MODEL RM-710

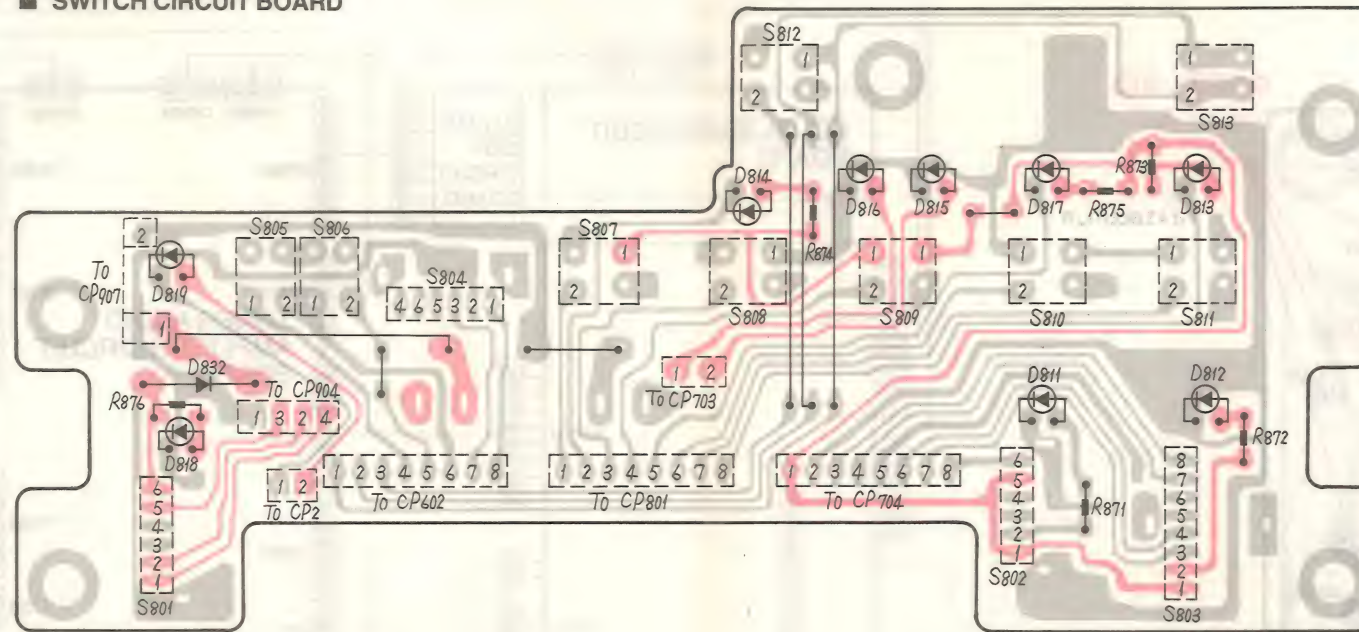


CIRCUIT BOARD WIRING VIEW OF CASSETTE DECK-MODEL RM-710

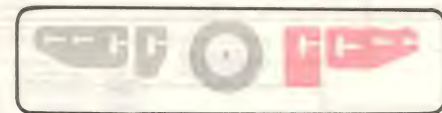
Notes:

1. S701: Tape switch.
 2. S702-1, S702-2: Radio/tape selector switch in "radio" position.
 3. S703-1~S703-4: Program switch.
 4. S801: Power source switch in "off" position.
 5. S802: Tape switch in "normal" position.
 6. S803: Dolby NR switch in "out" position.
 7. S804: Clock/frequency selector switch in "clock" position.
 8. S805: Hour switch.
 9. S806: Minute switch.
 10. S807: Stop/eject switch.
 11. S808: FF1 switch.
 12. S809: Program switch.
 13. S810: FF2 switch.
 14. S811: TPS switch.
 15. DC voltage measurements are with respect to ground and are measured with a digital voltmeter.
(Supply voltage=DC 12 V)
- () ... Dolby "IN" position.

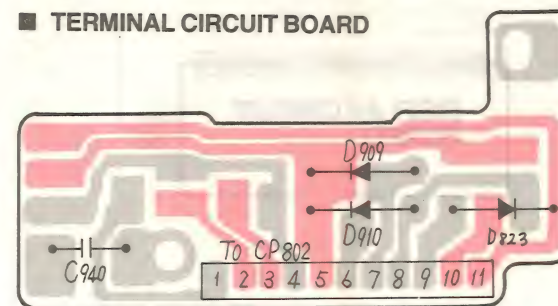
■ SWITCH CIRCUIT BOARD



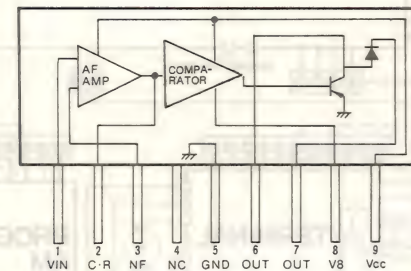
■ LAMP TERMINAL CIRCUIT BOARD



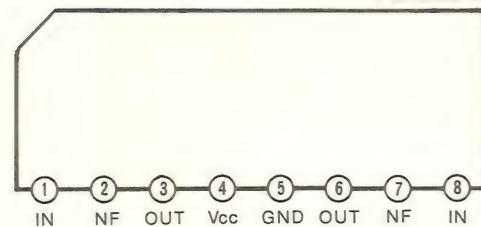
■ TERMINAL CIRCUIT BOARD



■ HALL ELEMENT CIRCUIT BOARD



IC801



IC701

IC701

1	1.3V
2	0.8V
3	3V
4	9.5V
5	0V
6	2.9V
7	0.8V
8	1.3V

IC702,703

1	³ (4.5)V	9	0V
2	5.3V	10	5.2V
3	5.7V	11	5.4V
4	5.2V	12	5.3V
5	⁴ (5.2)V	13	^{5.3} (0.5)V
6	5.3V	14	5.2V
7	^{4.6} (4.6)V	15	5.1V
8	^{0.2} (0.2)V	16	10.3V

Q828

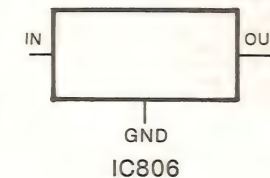
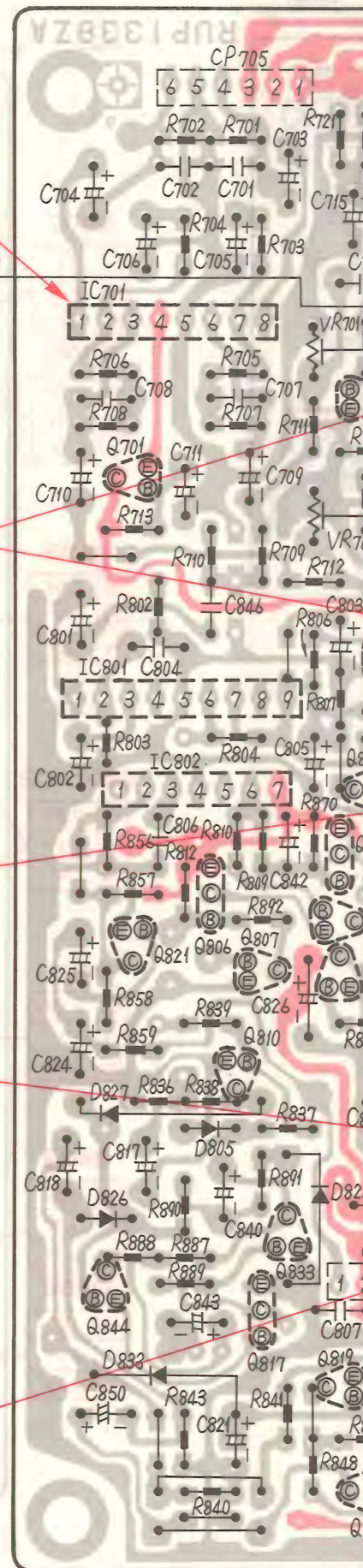
VE	7.7V
VB	8.3V
VC	14V

Q832

VE	0V
VB	0.6V
VC	0V

Q831

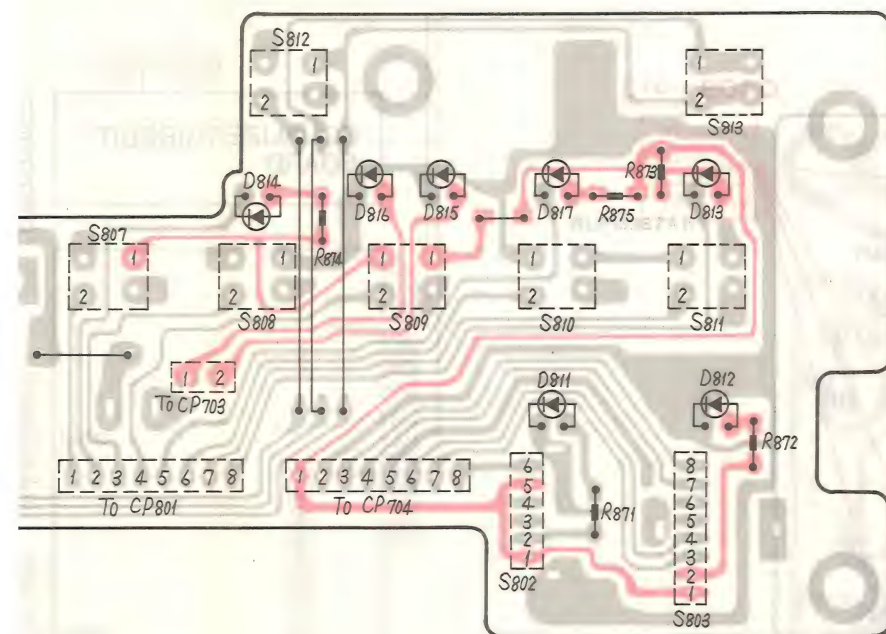
VE	14.1V
VB	13.4V
VC	14.1V



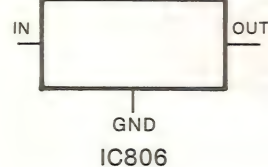
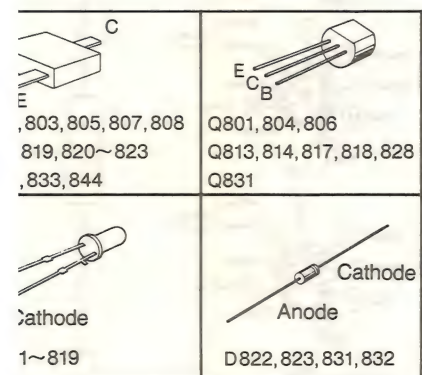
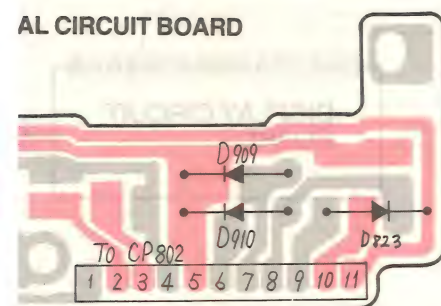
IC806

IC701	IC702,703	IC801	IC802	IC803,804,805	Q701~703,802,803,805,807,808 Q810~812,816,819,820~823 Q825~827,832,833,844	Q801,804,806 Q813,814,817,818,828 Q831
Q704	Anode D805,824~827 D701,803,804,830	Cathode Anode D820,821,828,829	Anode Cathode D802,809	Cathode Anode D810	Anode Cathode D811~819	Cathode Anode D822,823,831,832

CIRCUIT BOARD WIRING VIEW OF CASSETTE DECK-MODEL RM-710

HALL ELEMENT
CIRCUIT BOARD

AL CIRCUIT BOARD



IC701

1	1.3V
2	0.8V
3	3V
4	9.5V
5	0V
6	2.9V
7	0.8V
8	1.3V

IC702,703

()Dolby "IN"

1	3	9	0V
2	5.3V	10	5.2V
3	5.7V	11	5.4V
4	5.2V	12	5.3V
5	4	13	5.3
6	5.3V	14	5.2V
7	4.6	15	5.1V
8	0.2	16	10.3V

Q828

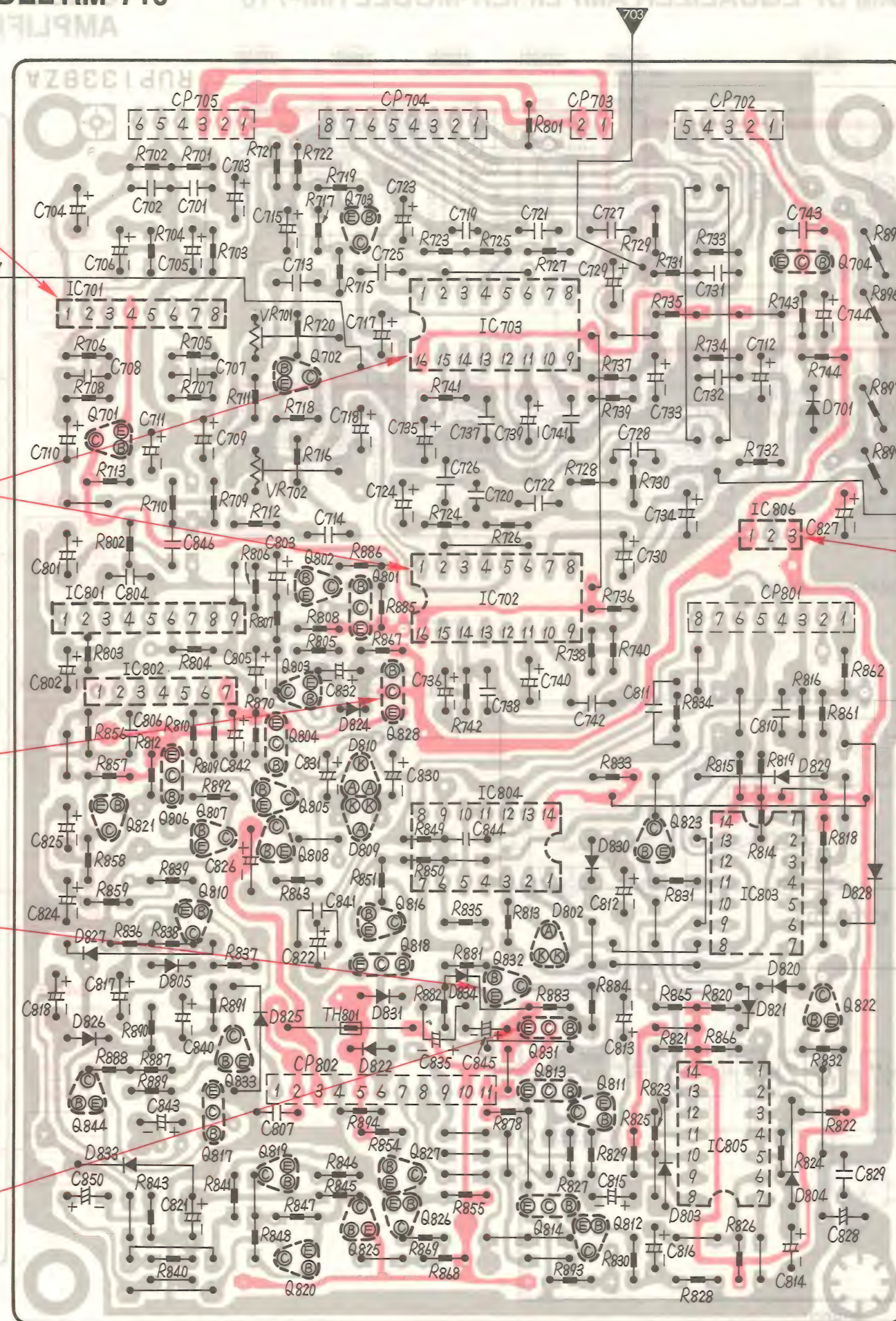
V _E	7.7V
V _B	8.3V
V _C	14V

Q832

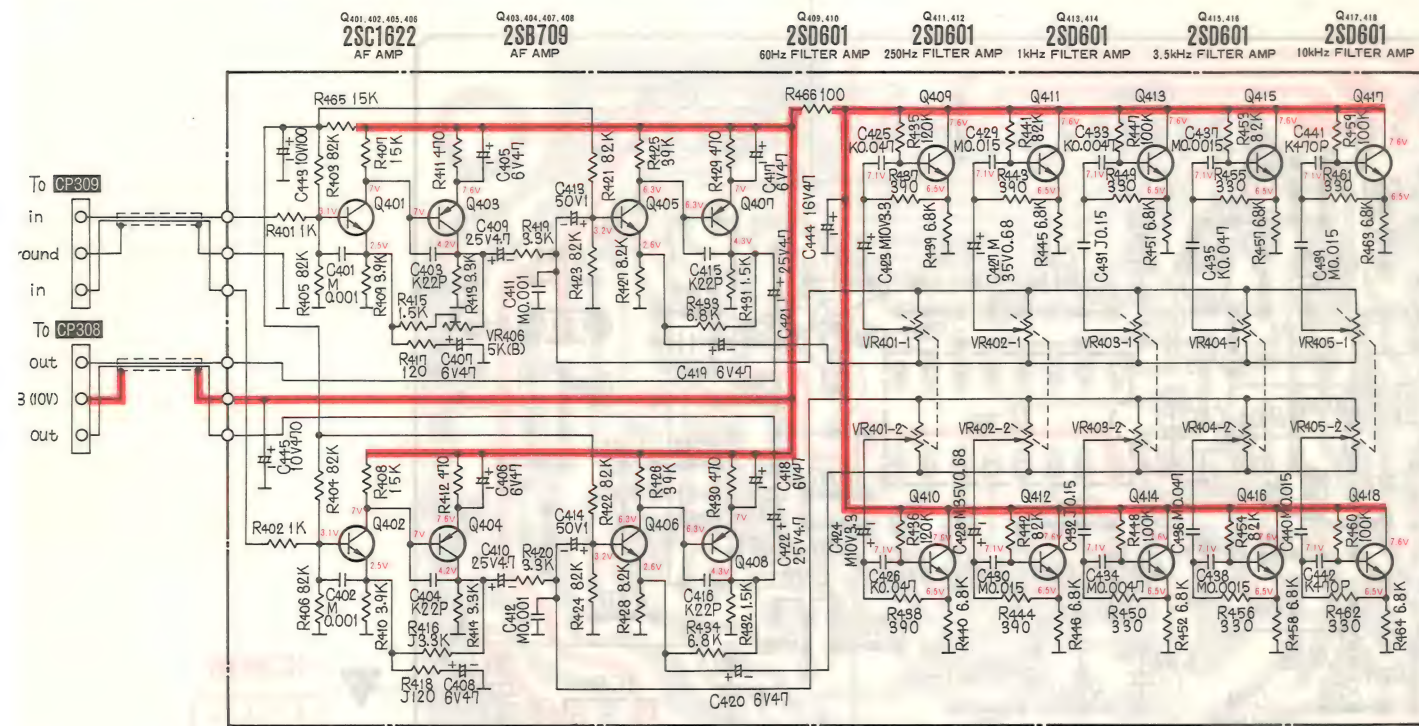
V _E	0V
V _B	0.6V
V _C	0V

Q831

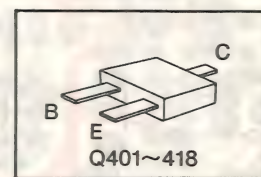
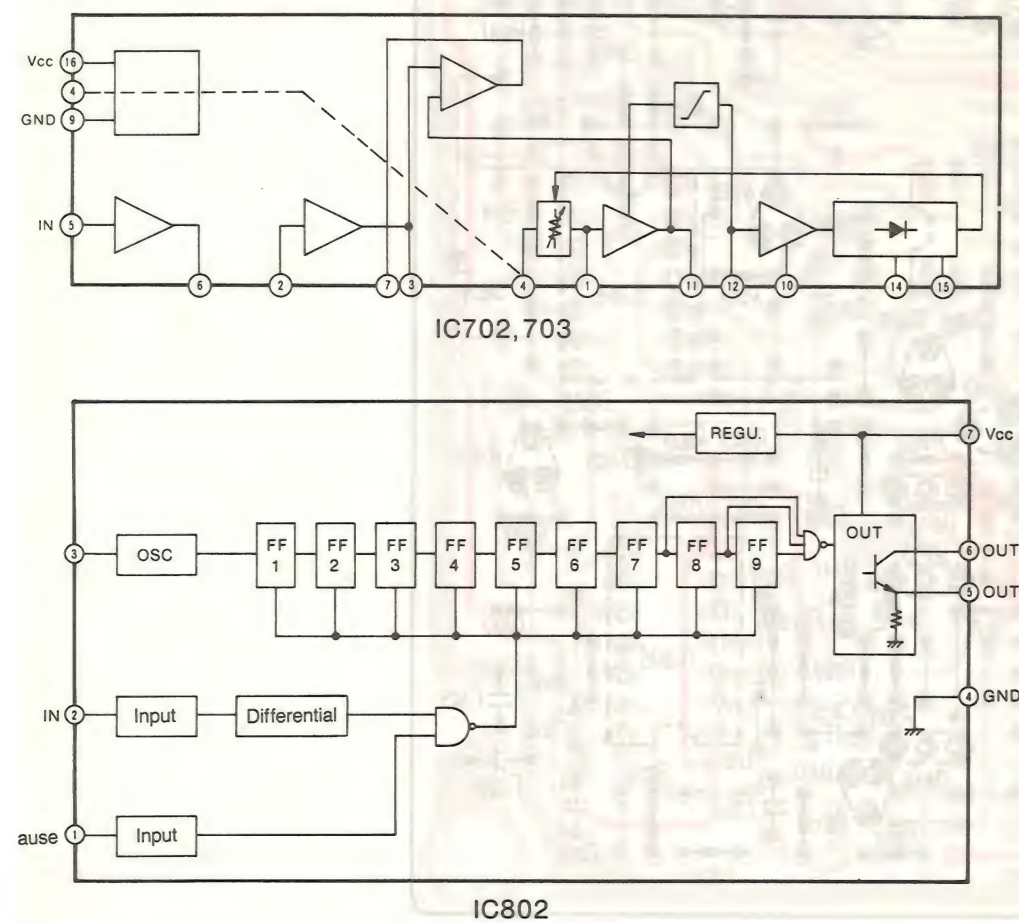
V _E	14.1V
V _B	13.4V
V _C	14.1V



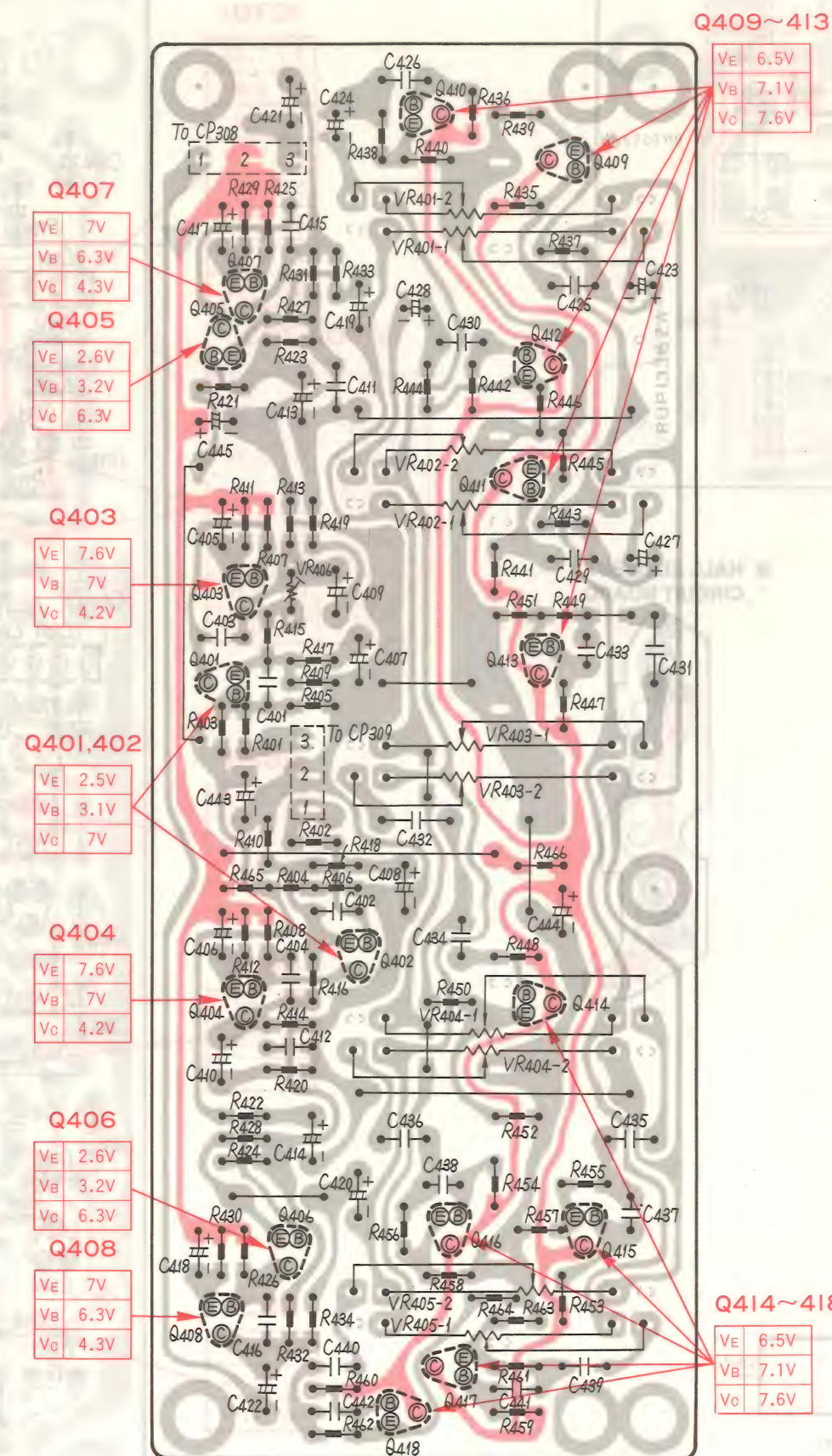
SCHEMATIC DIAGRAM OF EQUALIZER AMPLIFIER-MODEL RM-710



Notes:
DC voltage measurements are with respect to ground and are measured with a digital voltmeter.
(Supply voltage=DC 12 V)



CIRCUIT BOARD WIRING VIEW OF EQUALIZER AMPLIFIER-MODEL RM-710



Q409~413

VE	6.5V
VB	7.1V
VC	7.6V

Q407

VE	7V
VB	6.3V
VC	4.3V

Q405

VE	2.6V
VB	3.2V
VC	6.3V

Q403

VE	7.6V
VB	7V
VC	4.2V

Q401,402

VE	2.5V
VB	3.1V
VC	7V

Q404

VE	7.6V
VB	7V
VC	4.2V

Q406

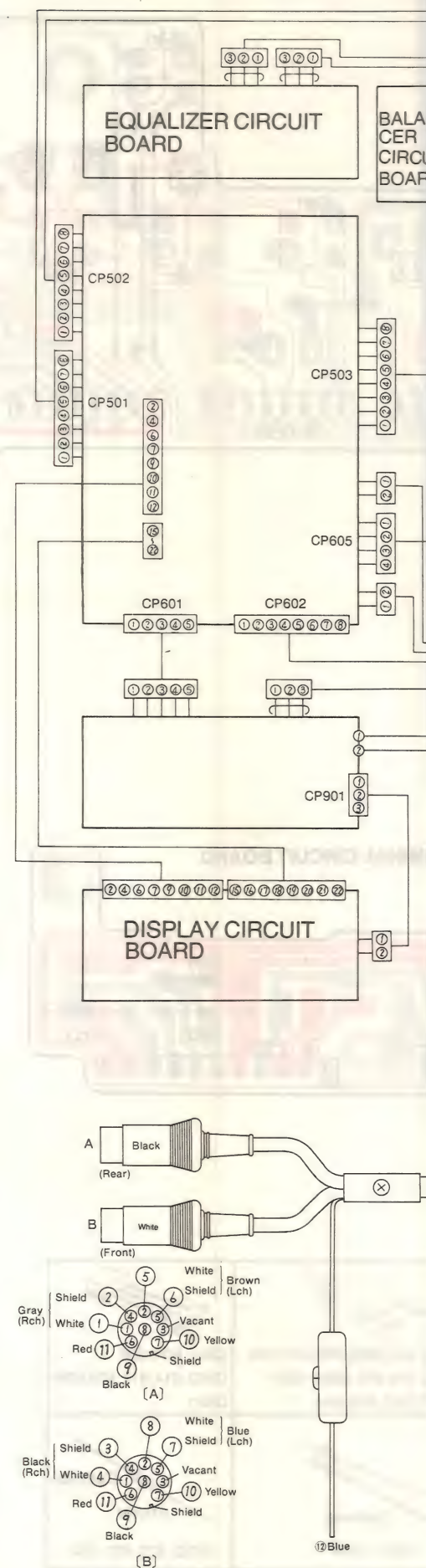
VE	2.6V
VB	3.2V
VC	6.3V

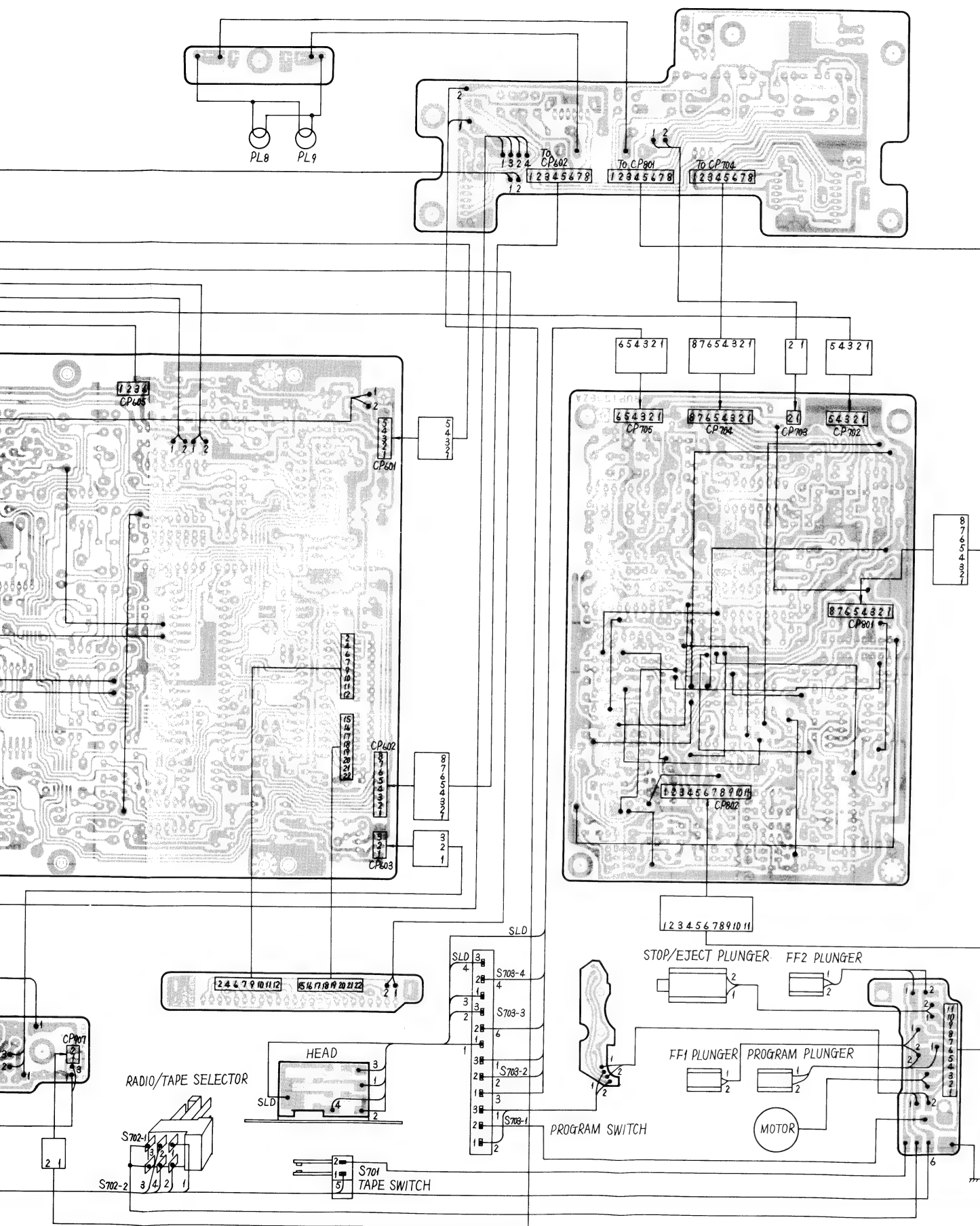
Q408

VE	7V
VB	6.3V
VC	4.3V

Q414~418

VE	6.5V
VB	7.1V
VC	7.6V





BLOCK DIAGRAM (POWER AMPLIFIER)

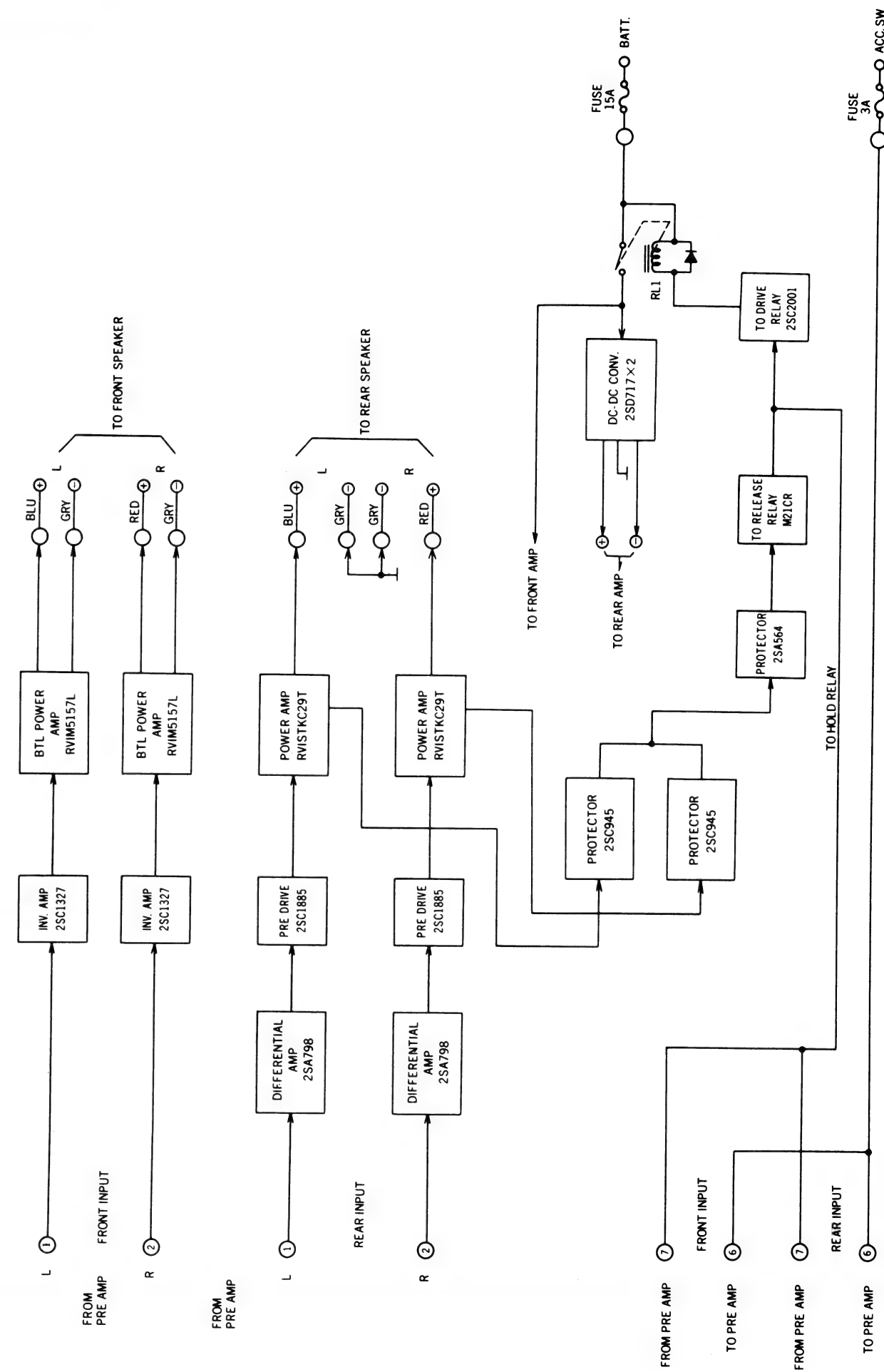


Fig. 30

WIRING CONNECTION DIAGRAM MODEL RM-710

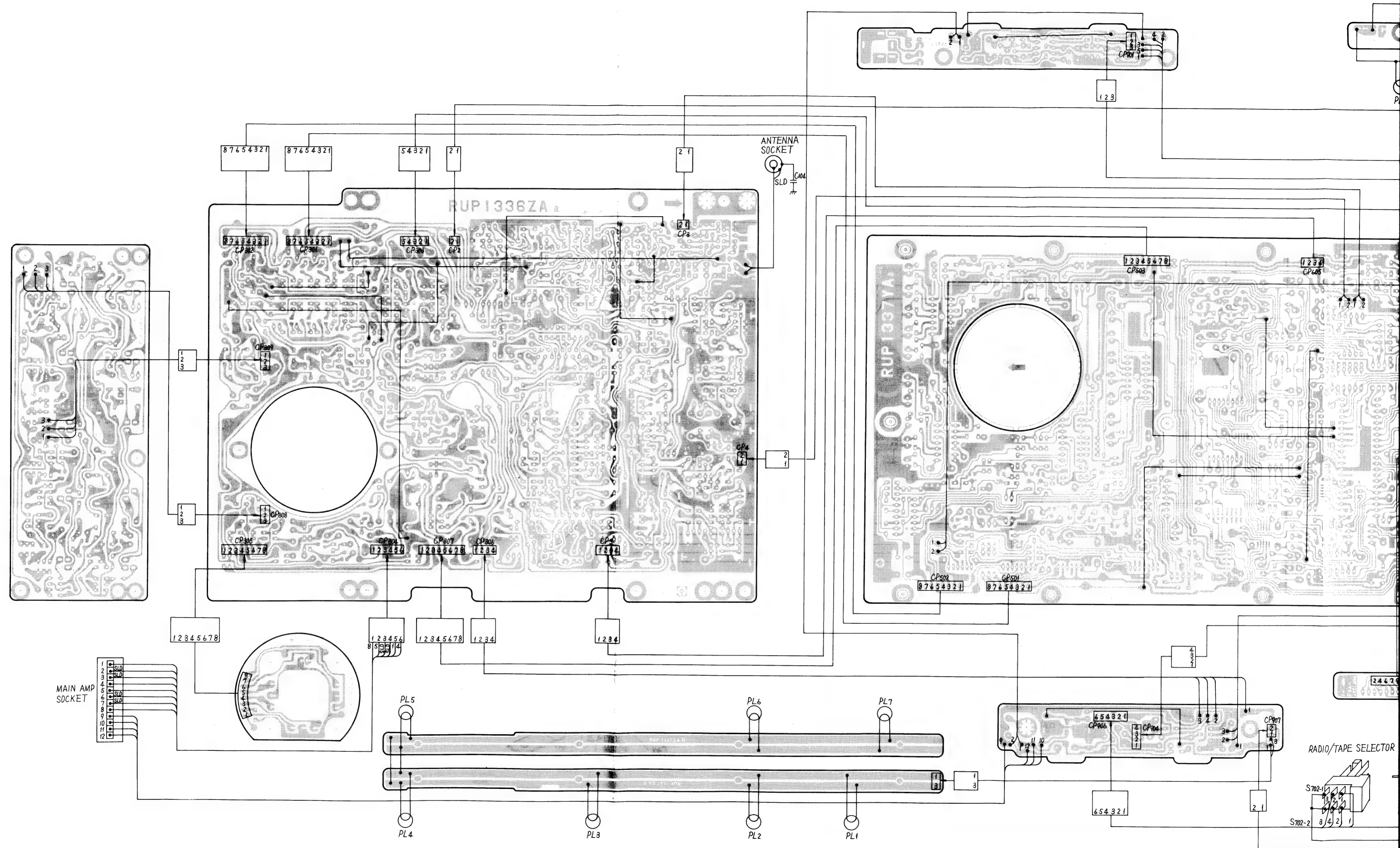
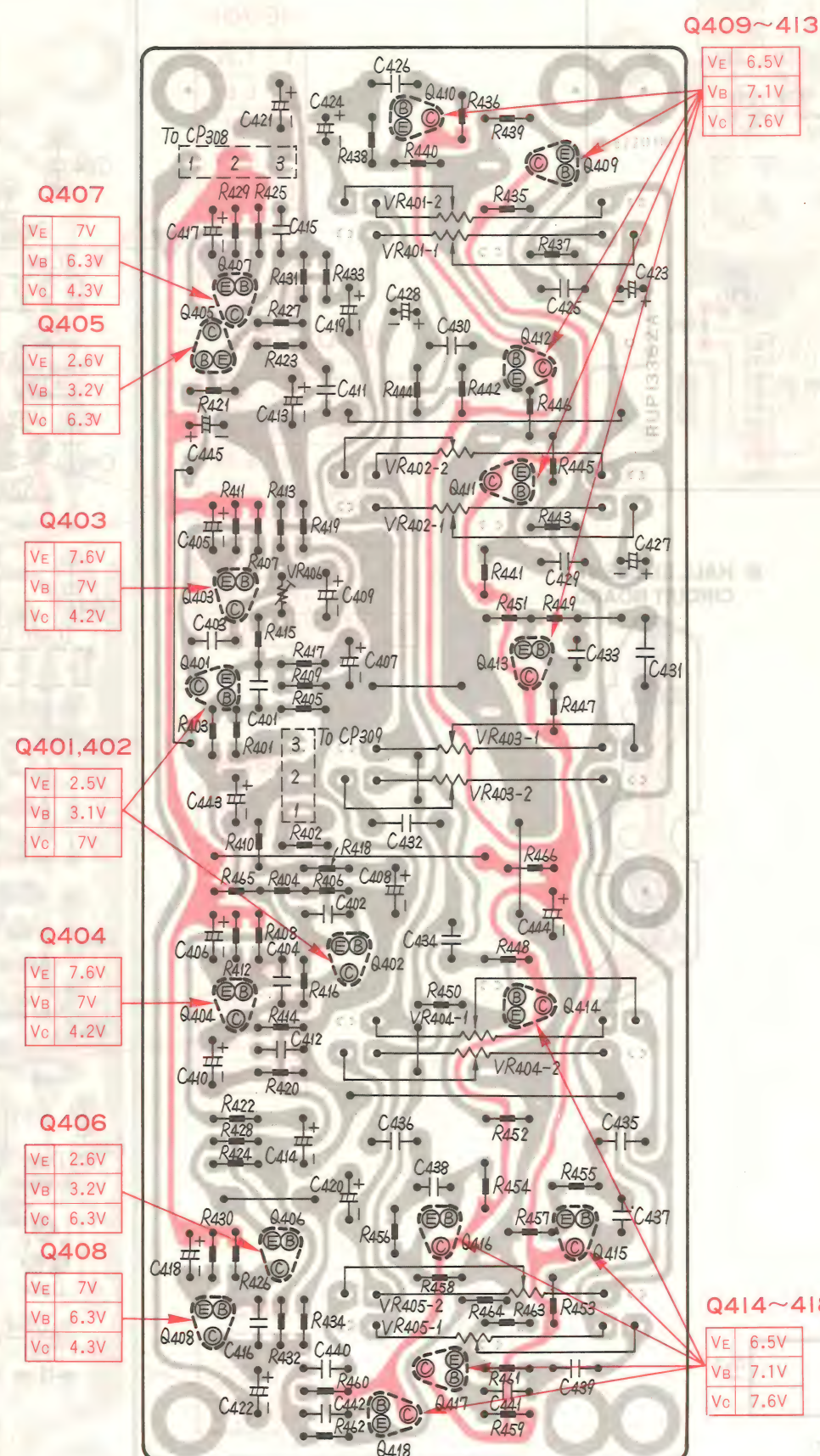


Fig. 29



The diagram illustrates the internal wiring of a radio receiver, connecting several functional modules:

- EQUALIZER CIRCUIT BOARD**: Connected to the main system via a 10-pin terminal block at the top left.
- BALANCE CIRCUIT BOARD**: A small module connected to the tuner audio amplifier board.
- TUNER AUDIO AMPLIFIER CIRCUIT BOARD**: The central processing unit, featuring numerous component points (CP301-CP310, CP303, CP304, CP305, CP306, CP307, CP308, CP309) and a 10-pin terminal block on the right.
- CASSETTE DECK CIRCUIT BOARD**: Located at the top right, it includes components CP702, CP703, CP704, and CP705, and is connected to the tuner audio amplifier board.
- SWITCH CIRCUIT BOARD**: Positioned in the middle right, it controls various functions and includes a "Lamp for Deck panel" connection.
- DISPLAY CIRCUIT**: Located at the bottom left, it provides visual feedback and includes a "Lamp for front panel" connection.
- PROGRAM SWITCH HEAD**: At the bottom right, it manages program selection and includes a motor (M) and switches (S701, S702-1, S702-2).

Key external connections include the **ANTENNA SOCKET** at the bottom center, the **OUTPUT SOCKET** at the bottom, and various terminal blocks for speaker connections (e.g., 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1).

Fig. 27

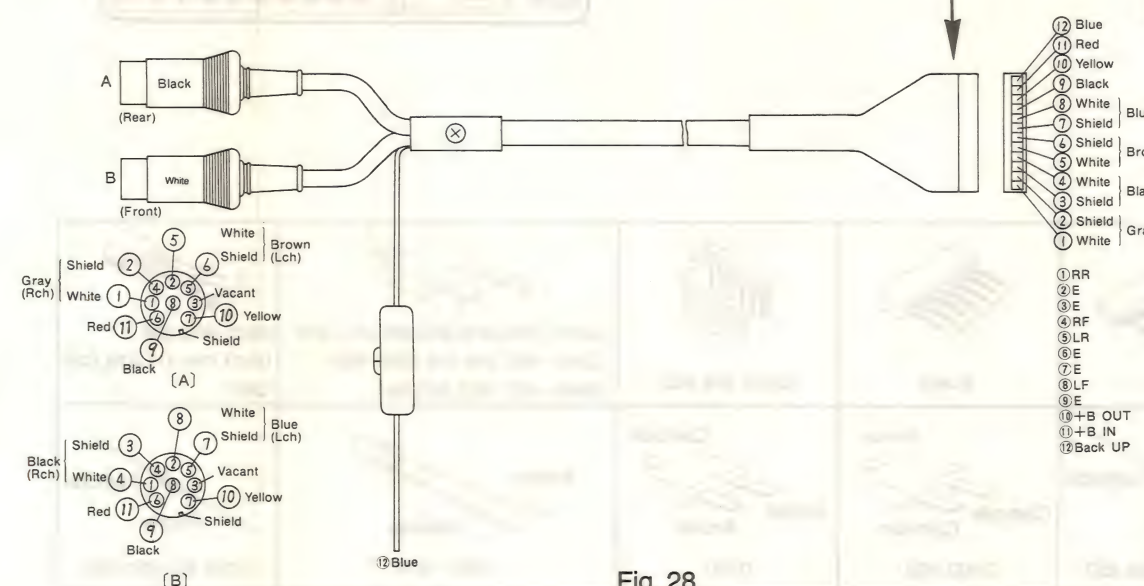
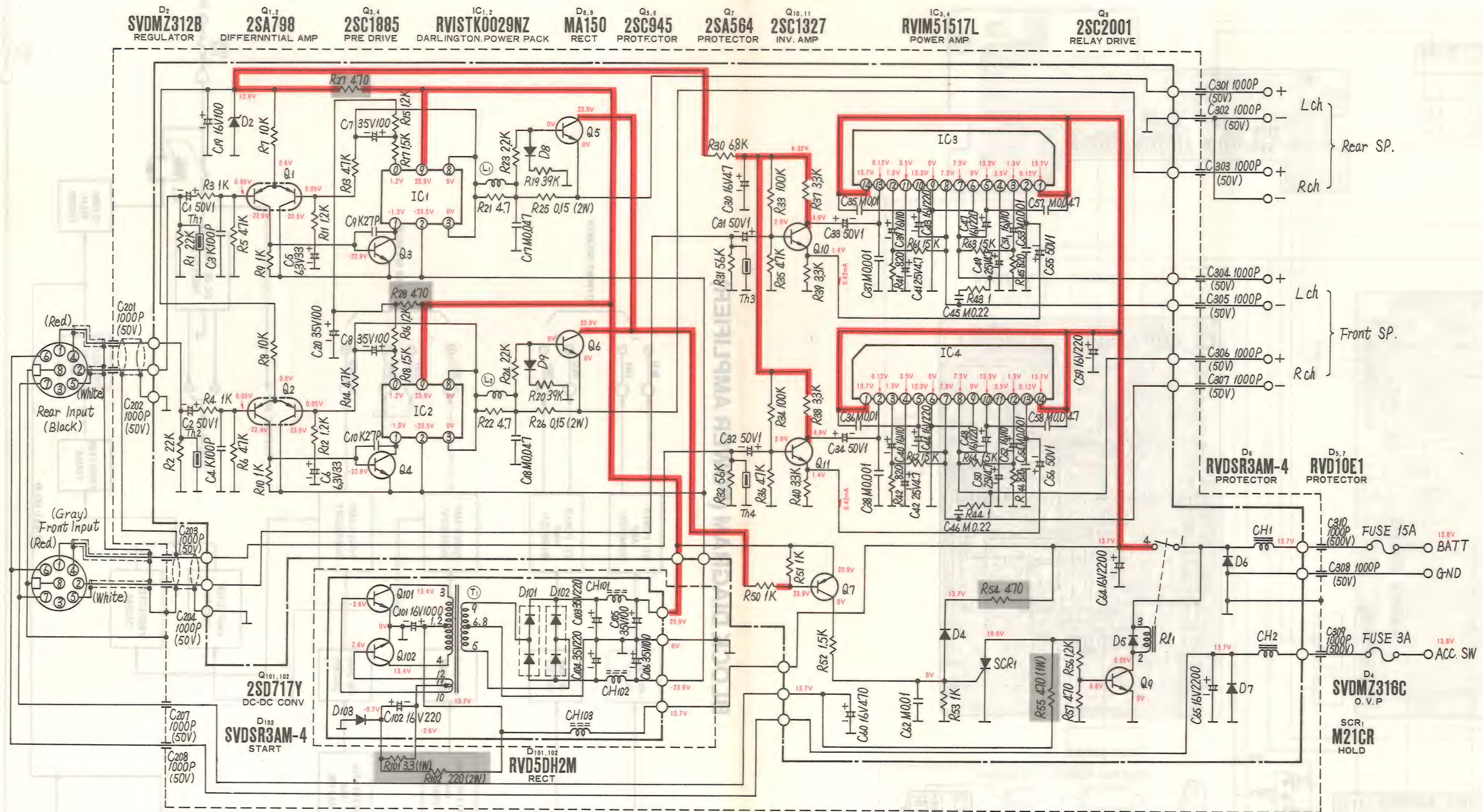


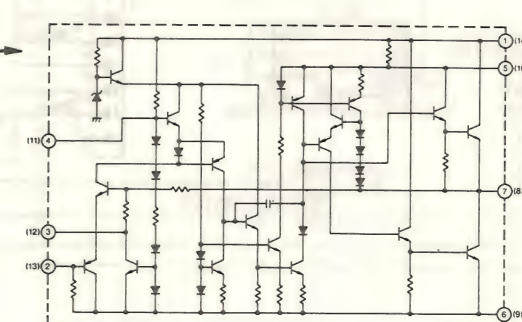
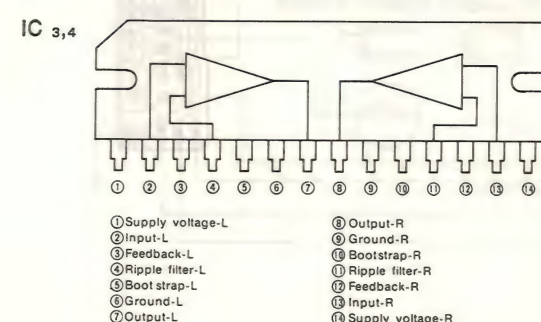
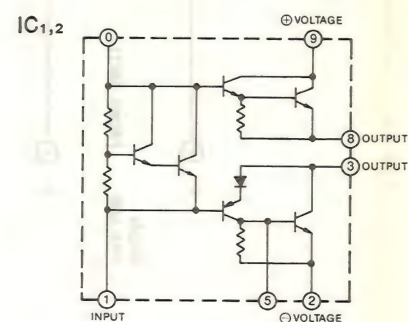
Fig. 28

SCHEMATIC DIAGRAM OF POWER AMPLIFIER-MODEL RM-M610

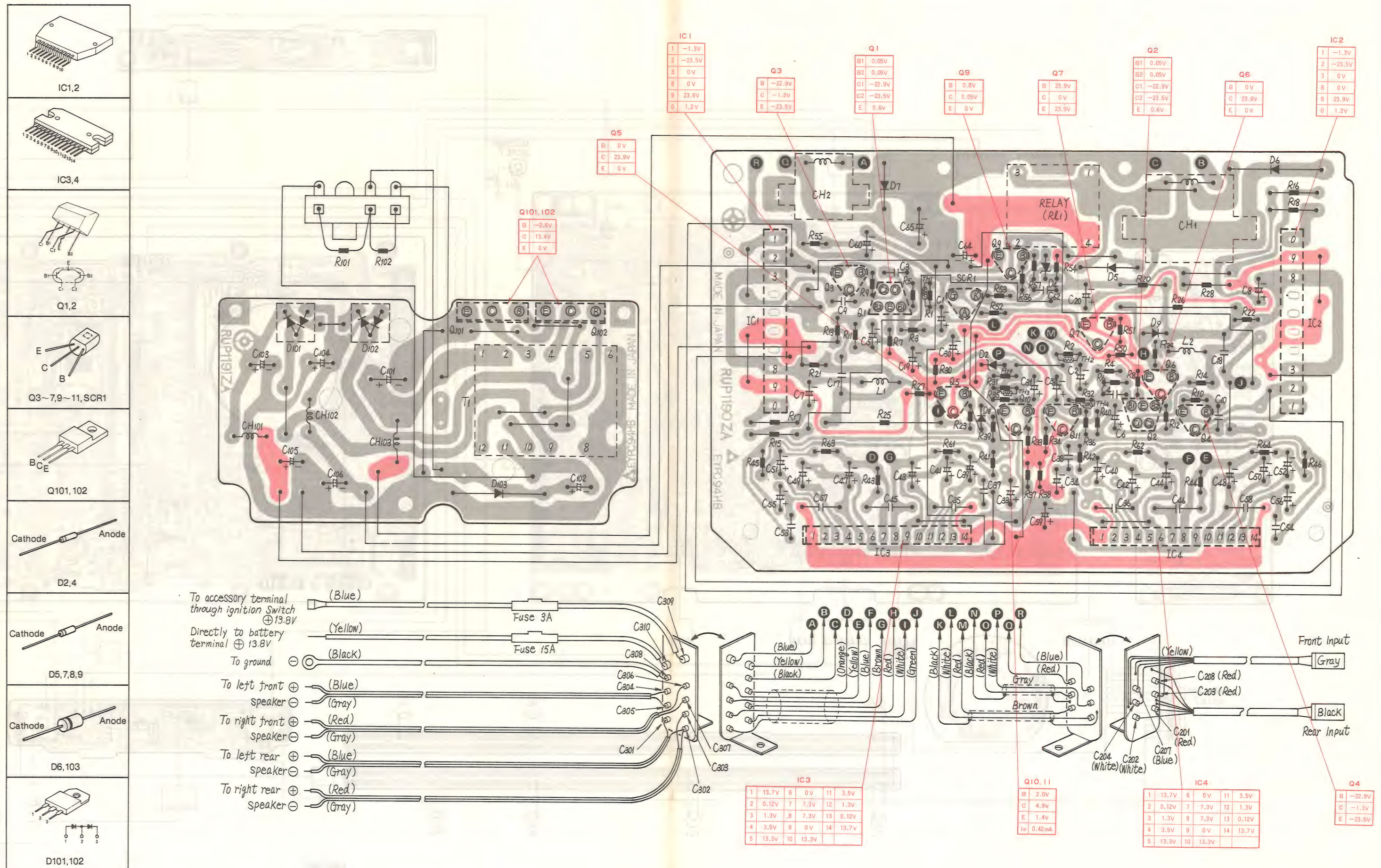


Note:

- DC voltage measurements are with respect to ground and are measured with a digital voltmeter.
(Supply voltage=DC 12V)
- Important safety notice.
The shaded area on this schematic diagram incorporates special features important for protection from fire and electrical shock hazards.
When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schematic.



CIRCUIT BOARD WIRING VIEW OF POWER AMPLIFIER-MODEL RM-M610



EXPLODED VIEWS

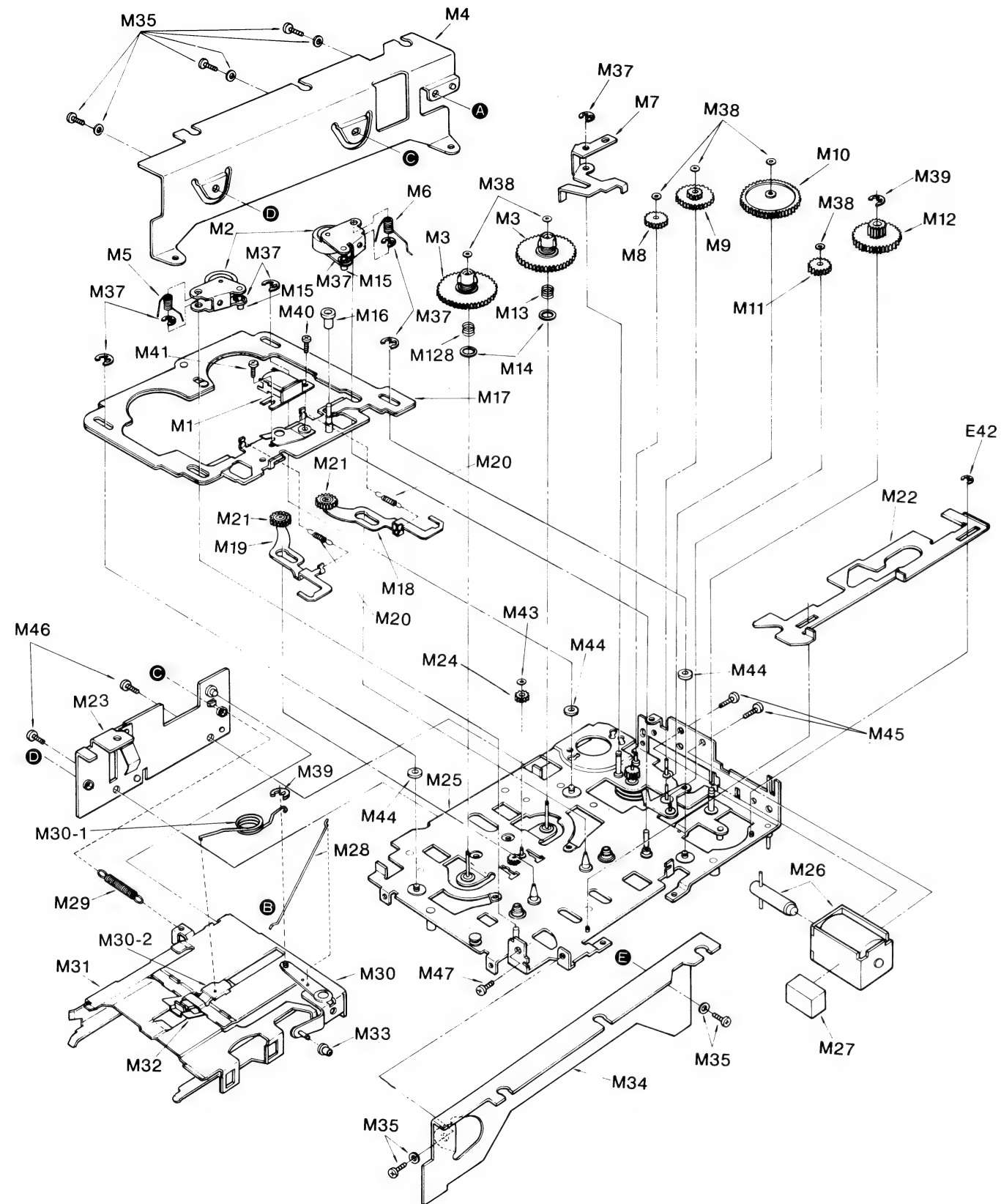


Fig. 31

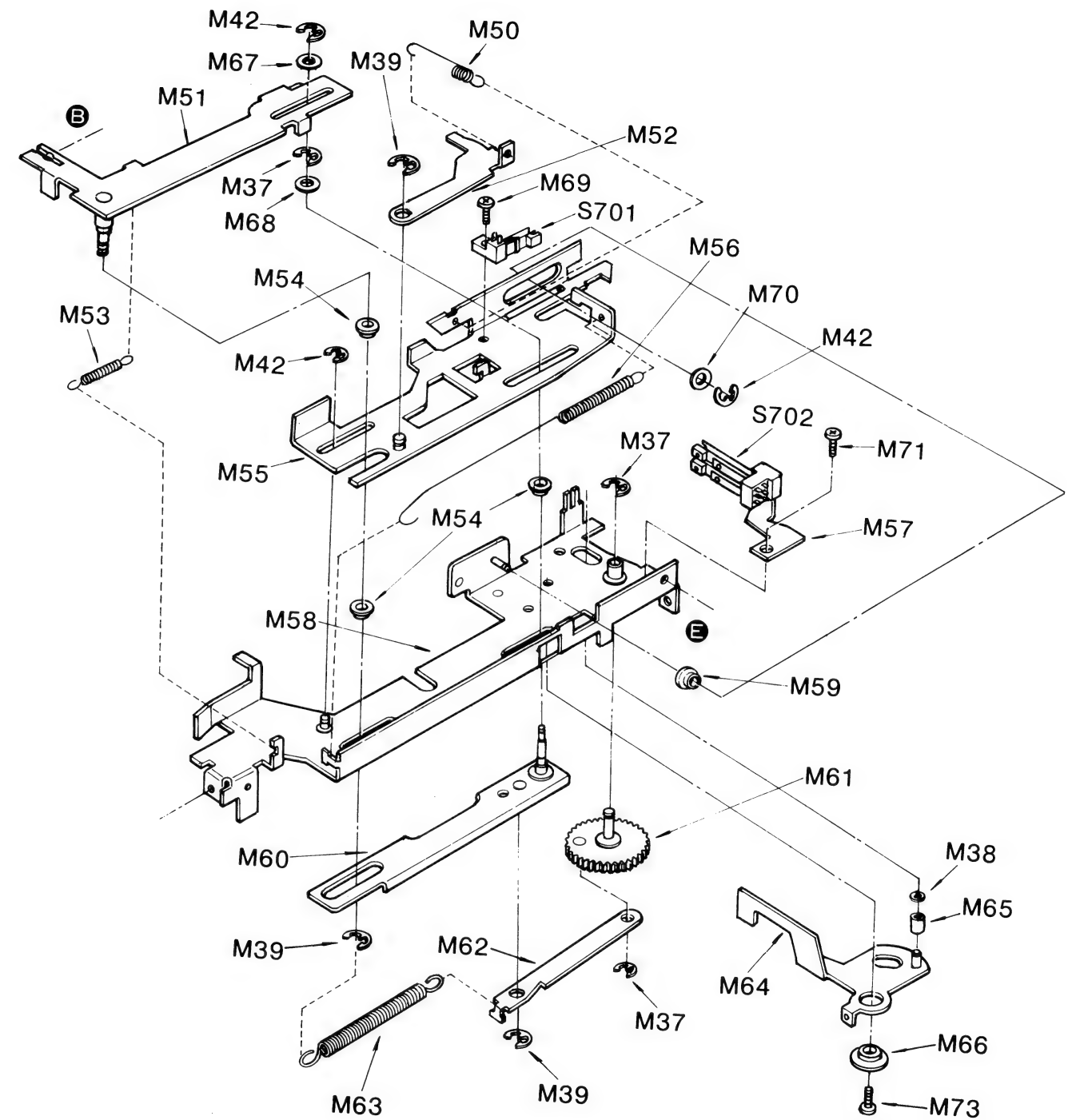


Fig. 32

CABINET PARTS LOCATIONS

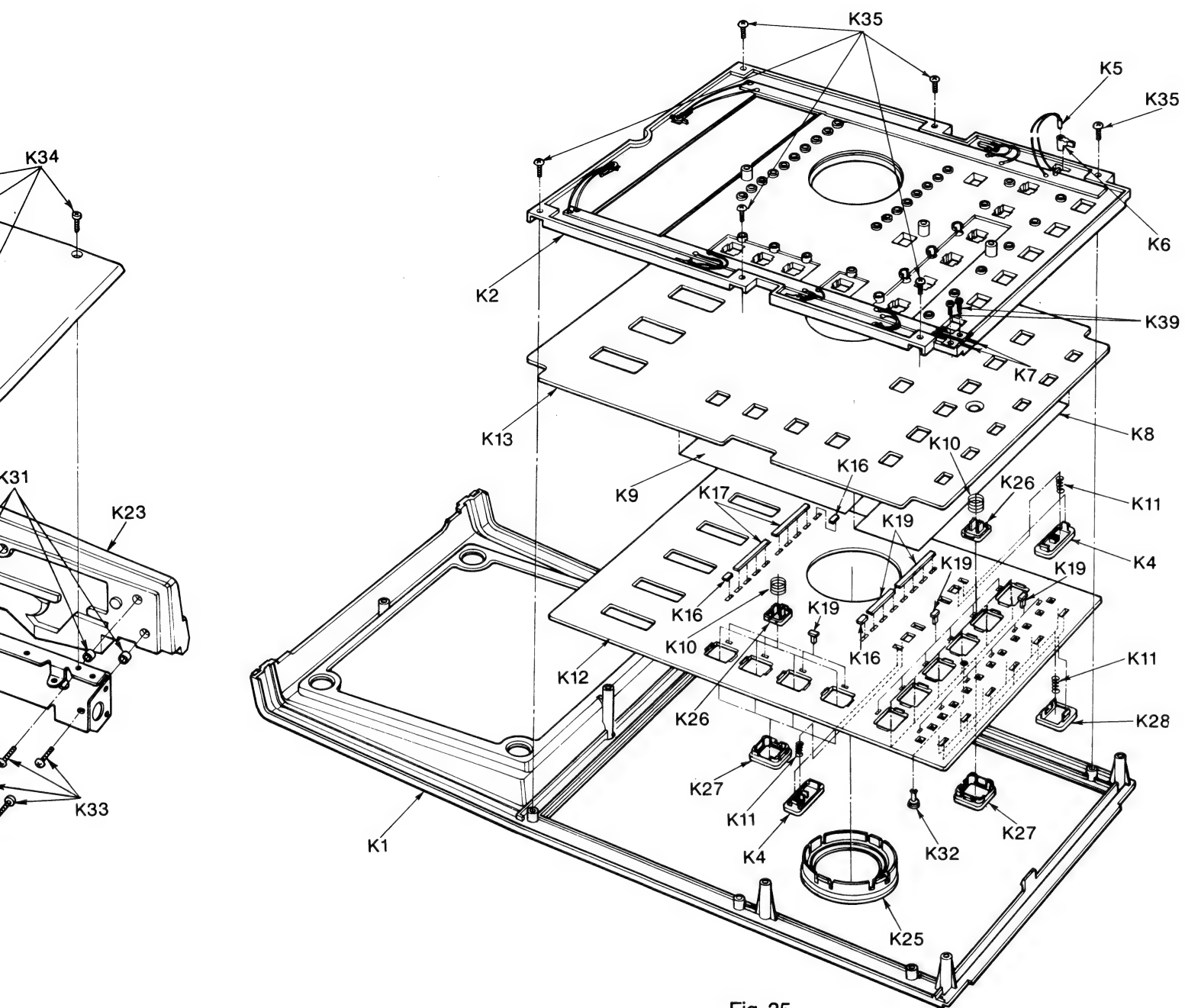


Fig. 35

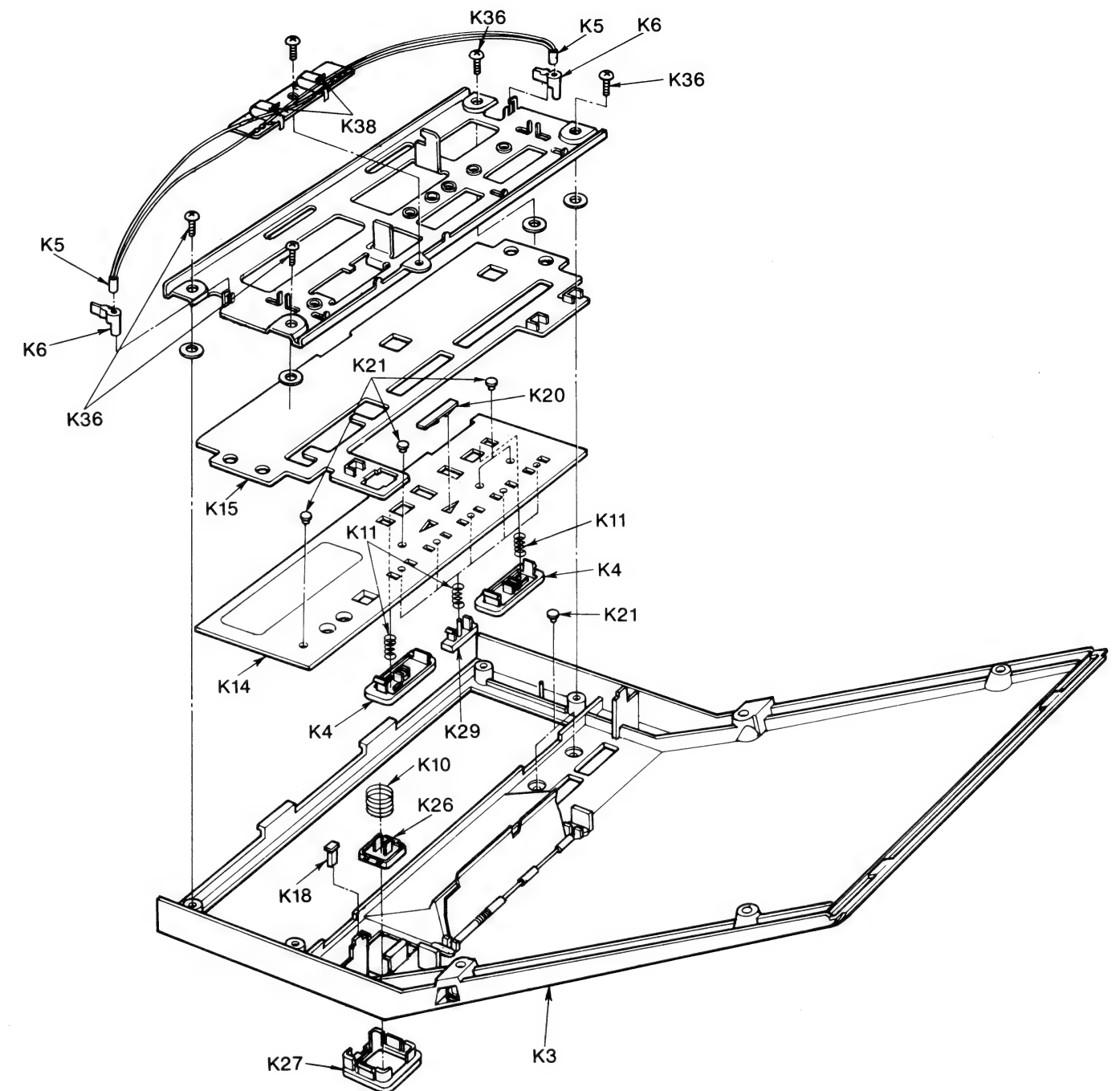


Fig. 36

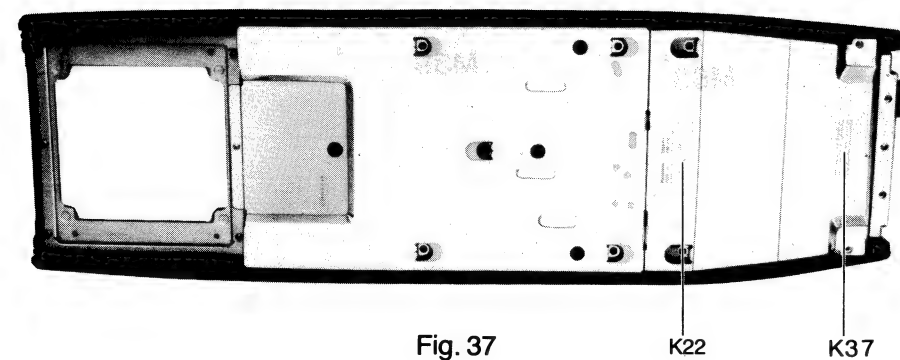


Fig. 37

CHASSIS PARTS LOCATIONS

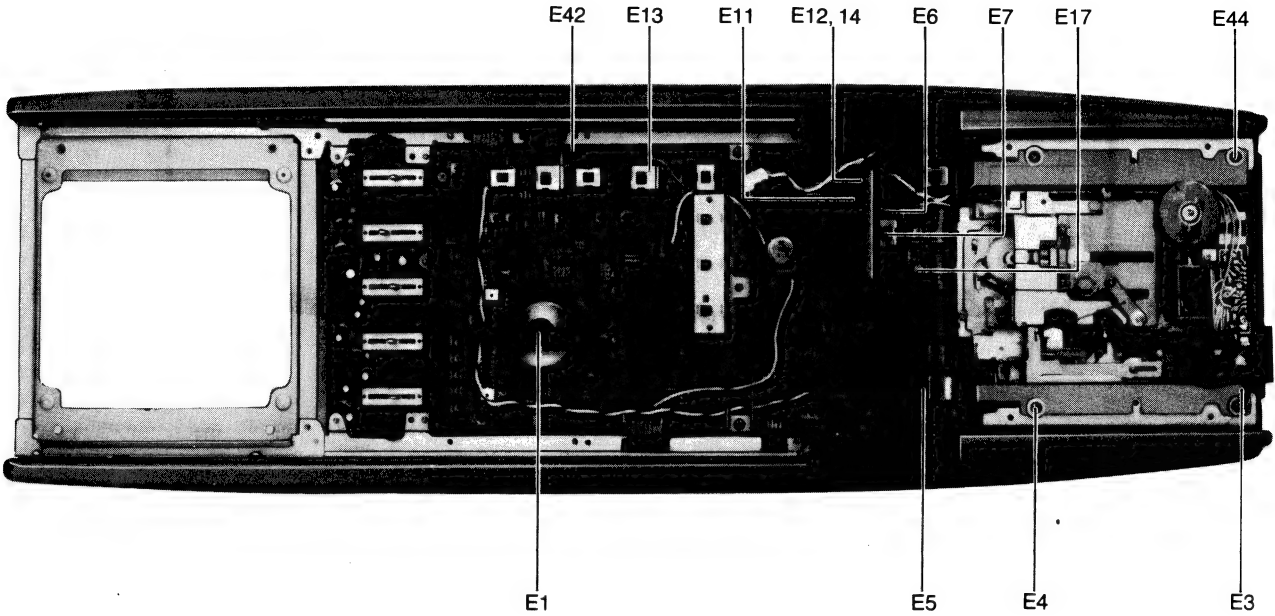


Fig. 38

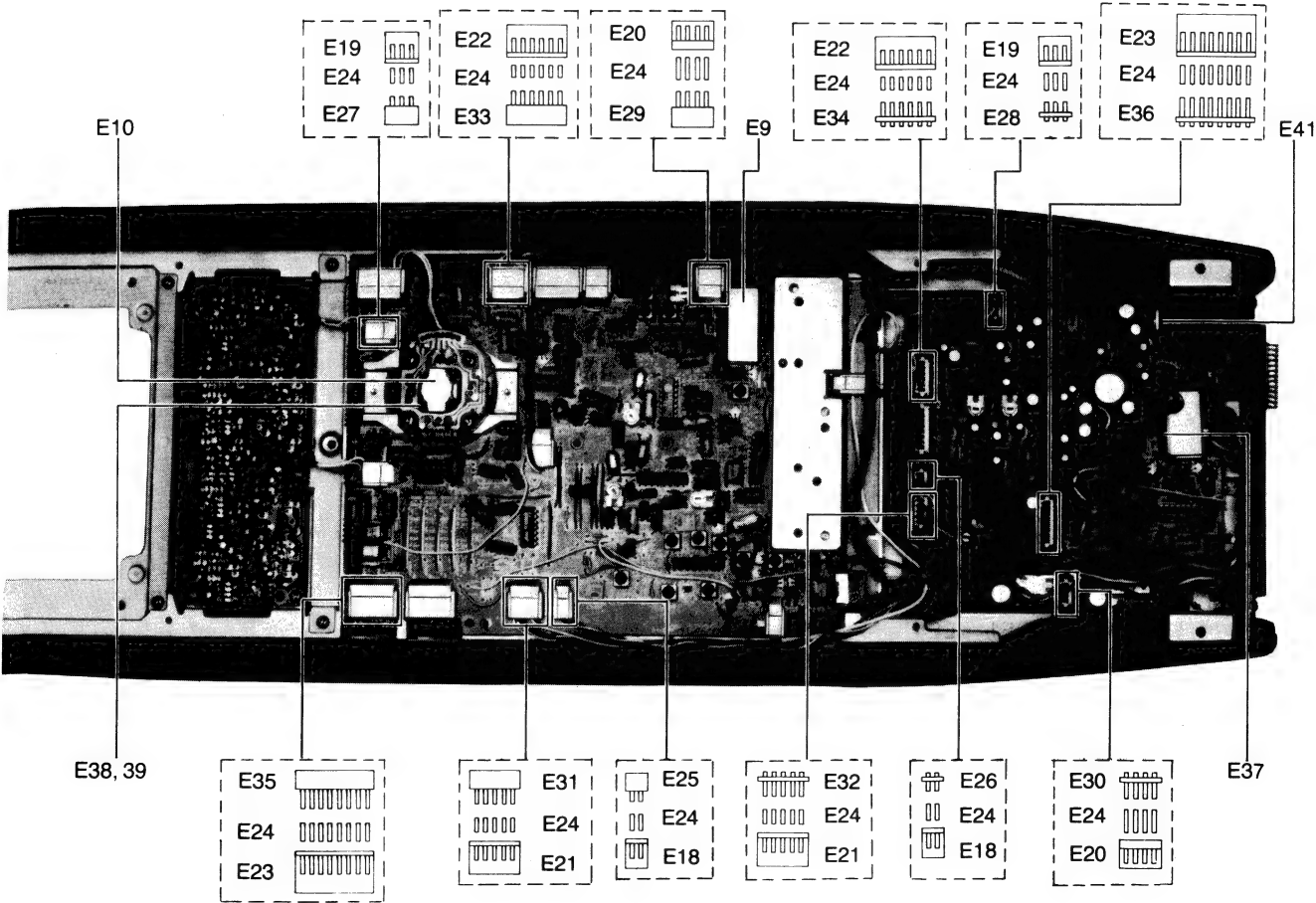


Fig. 39

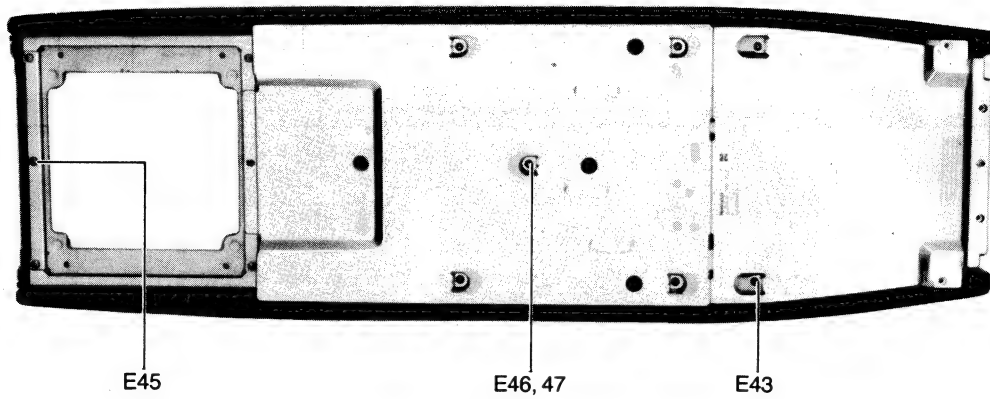


Fig. 40

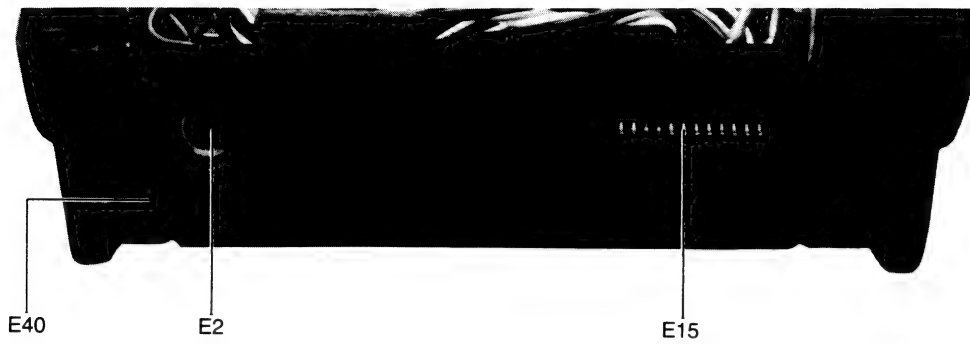


Fig. 41

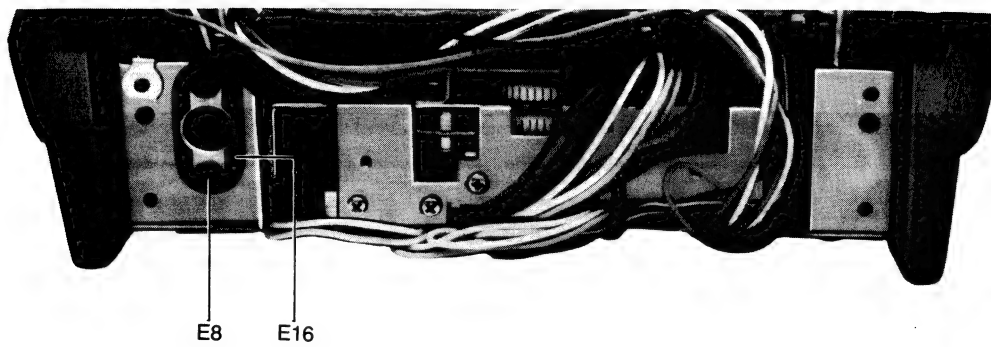


Fig. 42

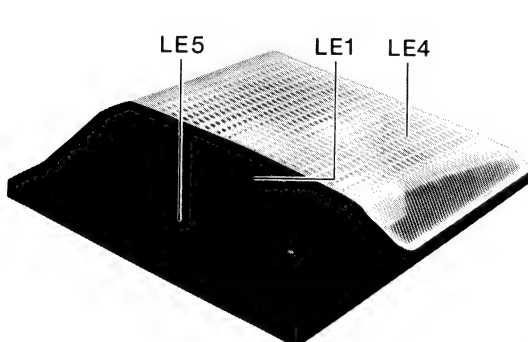


Fig. 43

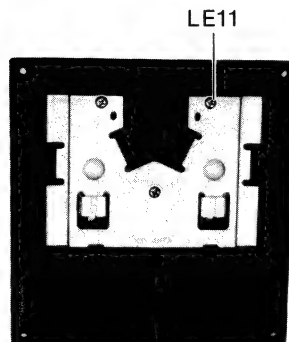


Fig. 44

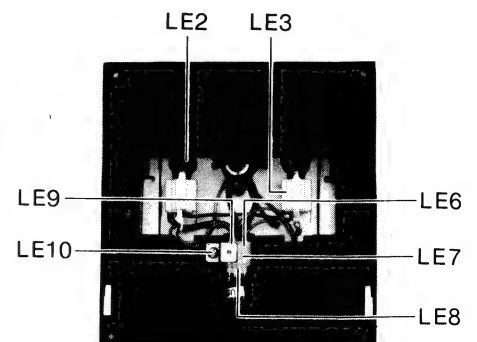


Fig. 45

POWER AMP PARTS LOCATION

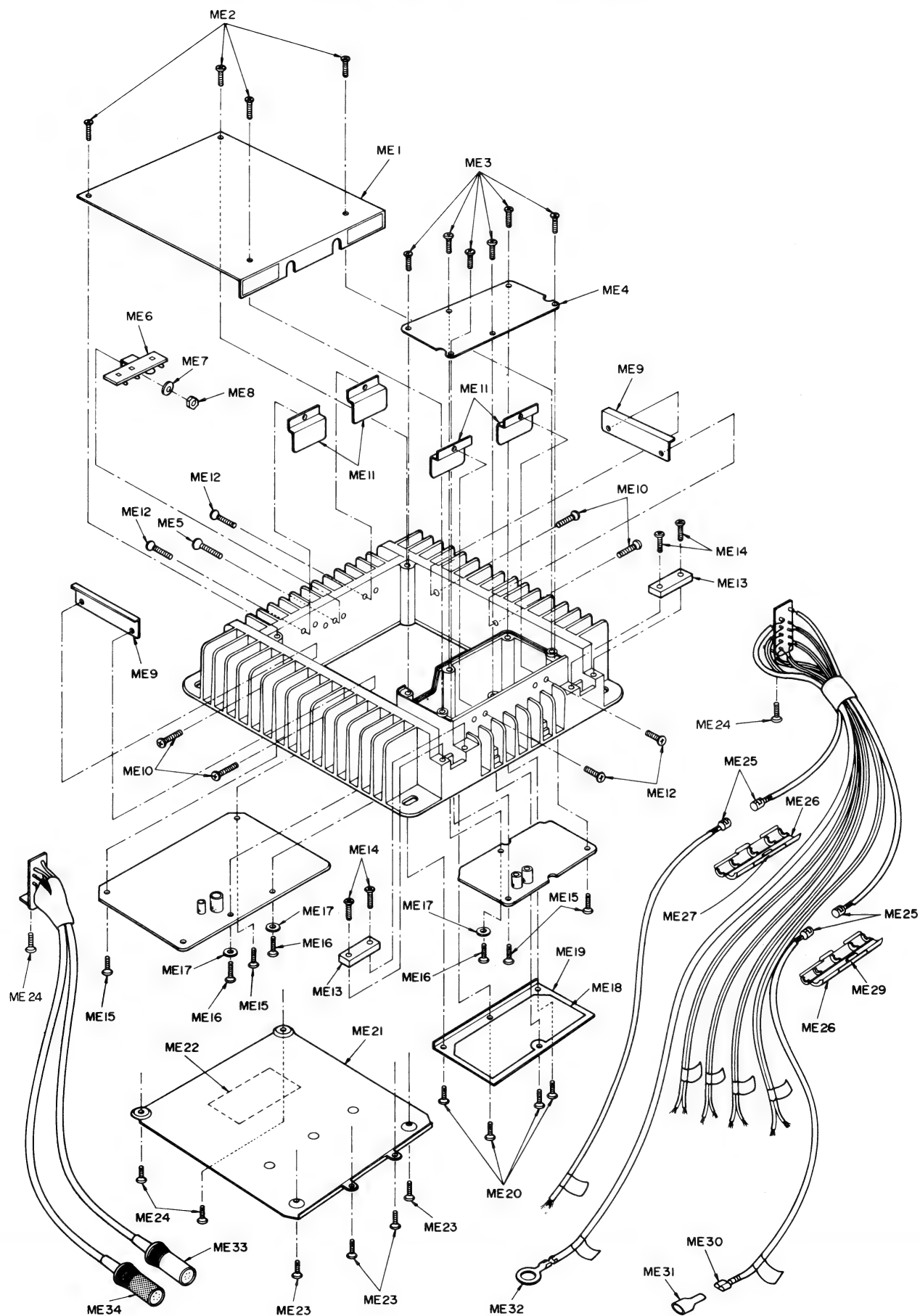


Fig. 46

PACKING MATERIALS

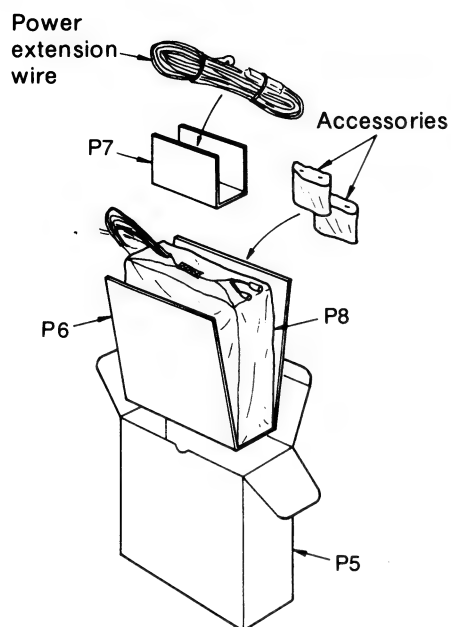


Fig. 47

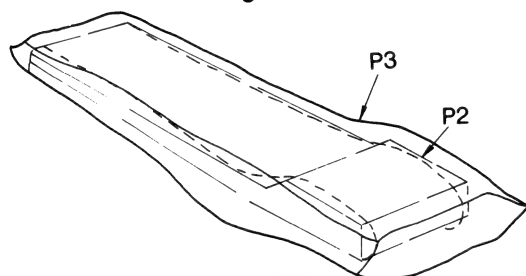


Fig. 48

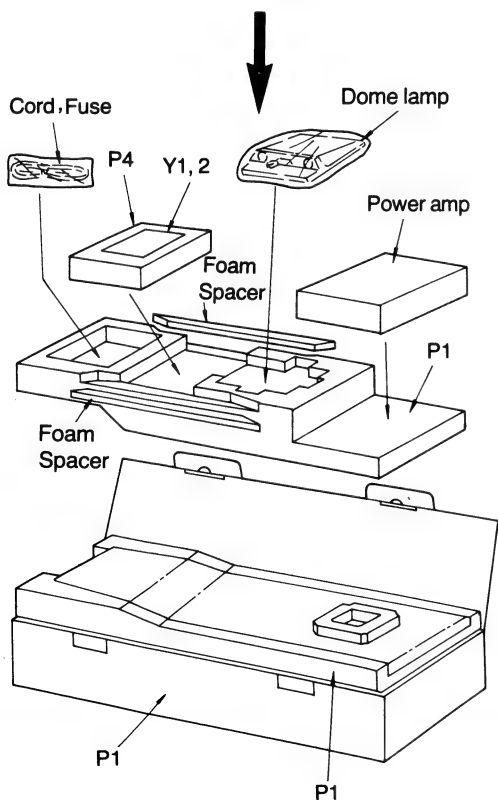
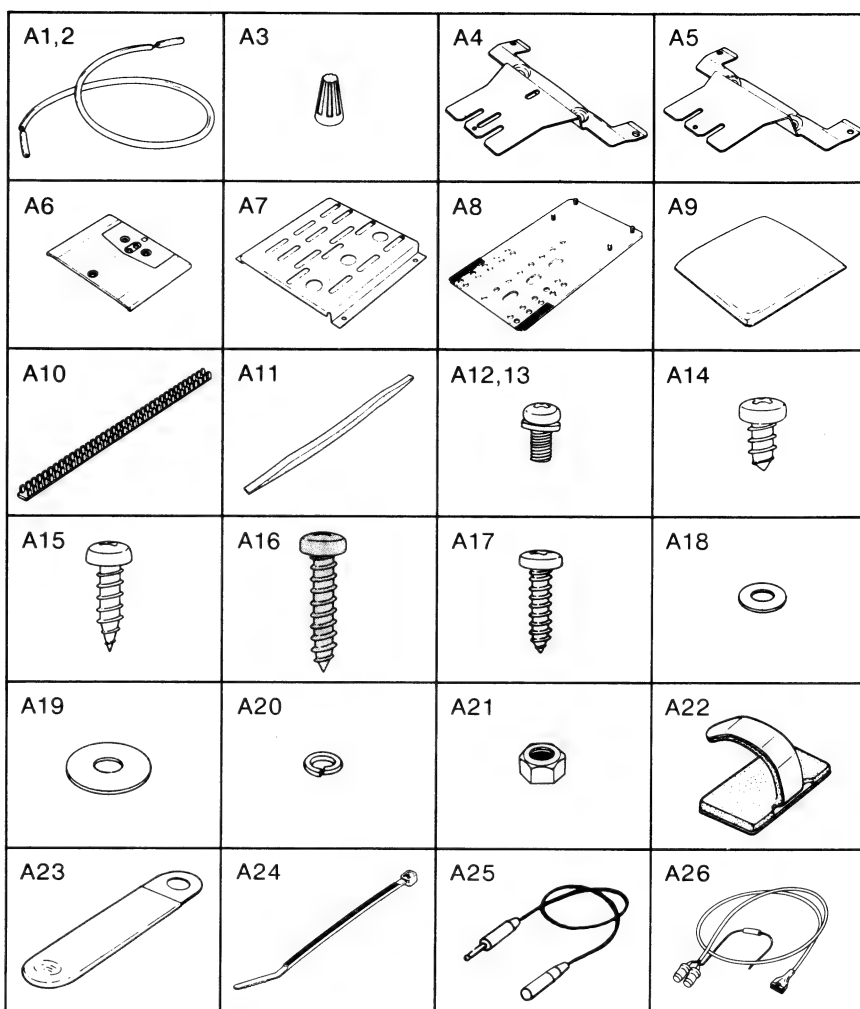
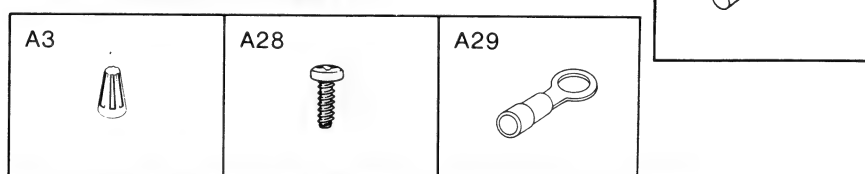


Fig. 49

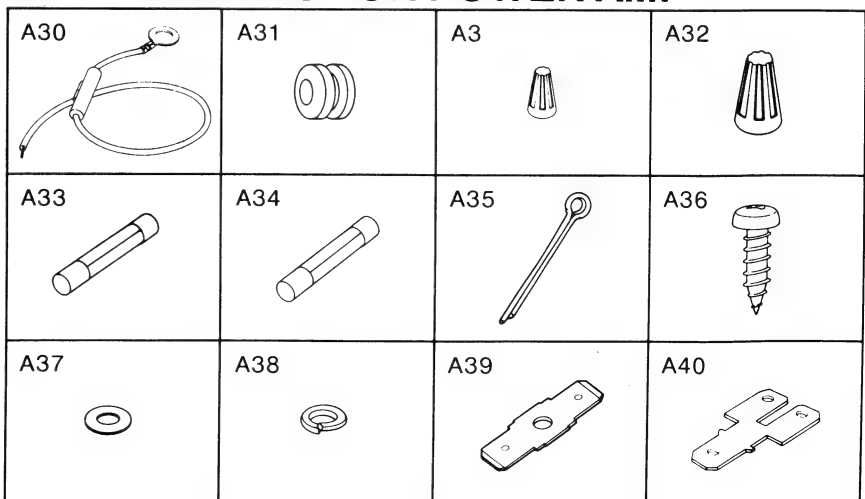
ACCESSORIES FOR OVER-HEAD CONSOLE UNIT



ACCESSORIES FOR DOME LAMP



ACCESSORIES FOR POWER AMP



REPLACEMENT PARTS LIST.....Model RM-710 (RD8102-1838C)

NOTES: 1. Δ indicates that only parts specified by the manufacturer be used for safety.
2. The S mark indicates service standard parts and may differ from production parts.

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		MECHANICAL PARTS		
M1	RJH4E1Z	Head	1	
M2	RFR5Z	Pinch Roller	2	
M3	RFJ12Z	Reel Table Assembly	2	
M4	RFD95Z	Mechanism Bracket L	1	
M5	RFS136Z	Pinch Roller Spring	1	
M6	RFS137Z	Pinch Roller Spring	1	
M7	RFY71Z	Operation Lever	1	
M8	RFG10Z	Middle Gear	1	
M9	RFG11Z	2nd Gear	1	
M10	RFG12Z	3rd Gear	1	
M11	RFG13Z	Operation Gear	1	
M12	RFG14Z	4th Gear	1	
M13	RFS138Z	Back Tension Spring	1	
M14	RFN35Z	Washer	2	
M15	RFE29Z	Pinch Roller Operation Shaft	2	
M16	RFX30Z	Spacer	1	
M17	RFU5Z	Sub Chassis Assembly	1	
M18	RFY72Z	Play Idler Arm (F) Ass'y	1	
M19	RFY73Z	Play Idler Arm (R) Ass'y	1	
M20	RFS139Z	Play Gear Spring	2	
M21	RFG15Z	Play Gear	2	
M22	RFY74Z	Select Lever	1	
M23	RFD96Z	CC Guide Plate Ass'y	1	
M24	RFG16Z	Center Gear B	1	
M25	RFU6Y	Chassis Ass'y	1	
M26	RFP4Z	EJ Solenoid	1	
M27	RHR3017Z	Cushion	1	
M28	RFY70Z	Joint Shaft	1	
M29	RFS128Z	CC Operation Arm Spring	1	
M30	RFY63Z	CC Operation Arm Ass'y	1	
M30-1	RFS162Z	Cassette Guide Spring	1	
M30-2	RFE34Z	Cassette Guide	1	
M31	RFD102Z	Cassette Case	1	
M32	RFS140Z	Pressure Plate Spring	1	
M33	RFX31Z	CC Operation Shaft Roller	1	
M34	RFD97Z	Mechanism Bracket (R)	1	
M35	XYN3+C4FX	Screw	5	
M37	XUC2FT	Circlip	11	S
M38	RFN39Z	Circlip	8	
M39	XUC25FT	Circlip	9	S
M40	XYN2+C4FX	Screw	2	
M41	XSN2+4FX	Screw	1	
M42	XUC15FT	Circlip	5	S
M43	RFN40Z	Washer	1	
M44	RFX32Z	Guide Shaft Roller	3	
M45	XSS26+5FX	Screw	4	
M46	XSN26+3FX	Screw	4	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
M47	XSS2+4FX	Screw	2	
M50	RFS141Z	Chassis Pressure Spring	1	
M51	RFY75Z	Eject Lever B Ass'y	1	
M52	RFD103Z	Sub Chassis Pressure	1	
M53	RFS142Z	Eject Lever B Spring	1	
M54	RFX33Z	EJ Washer	3	
M55	RFY64Z	Eject Lever A Ass'y	1	
M56	RFS143Z	Eject Lever Spring	1	
M57	RFD98Z	Switch Bracket	1	
M58	RFD99Z	Eject Bracket Ass'y	1	
M59	RFX34Z	Eject Lever Washer	1	
M60	RFY65Z	EJ Plate Ass'y	1	
M61	RFG17Z	Eject Cam Gear Ass'y	1	
M62	RFY76Z	EJ Operation Lever	1	
M63	RFS144Z	EJ Operation Lever Spring	1	
M64	RFY77Z	Release Lever Ass'y	1	
M65	RFX35Z	Lock Washer	1	
M66	RFX26Z	Release Lever Metal	1	
M67	RFN36Z	Slider	1	
M68	XWE2675FX	Washer	1	
M69	XYN26+C5FX	Screw	3	
M70	XWG2DFX	Washer	1	
M71	XYN26+C4FX	Screw	4	
M73	XSN26+5FX	Screw	1	
M74	RFM5Z	Motor Ass'y	1	
M75	RFP5Z	FF Plunger Ass'y	1	
M76	RFP6Z	REW Plunger Ass'y	1	
M77	RFB14Z	Main Belt	1	
M78	RFS145Z	Trigger Lever Spring	1	
M79	RFD104Z	Cam Pressure Plate Ass'y	1	
M80	RFD100Z	Select Cam Lock Plate Ass'y	1	
M81	RFS129Z	SW Operation Plate Spring	1	
M82	RFF10Y	Flywheel F	1	
M83	RFD101Z	Flywheel Retainer	1	
M84	RFQ14Z	Middle Pulley	1	
M85	RFG18Z	Select Cam Gear	1	
M86	RFF11Y	Flywheel R	1	
M87	RFY66Z	Lock Release Lever Ass'y	1	
M88	RFS130Z	Lock Release Lever Spring	1	
M89	RFY78Z	RF Idler Arm F Ass'y	1	
M90	RFS146Z	RF Idler Arm Spring	2	
M93	RFP7Z	Solenoid	1	
M94	RFG9Z	AU Unit	1	
M95	RFS131Z	FF Cam Stopper Spring	1	
M96	RFS132Z	Operation Lever Spring	1	
M97	RFX27Z	Spring Plate	1	
M98	RFS133Z	Center Clutch Plate Spring	1	
M99	RFQ13Z	Center Clutch Pulley	1	
M100	RFB15Z	Operation Belt	1	
M101	RFS134Z	RF Lock Lever Spring	1	
M102	RFY67Z	RF Lock Lever Ass'y	1	
M103	RFS135Z	RF Lever Spring	1	
M104	RFY68Z	FF Lever	1	
M105	RFY69Z	REW Lever Ass'y	1	
M106	RFI10Z	Motor Spacer	1	
M107	RFX41Z	Flywheel Collar	2	
M108	RFY79Z	RF Idler Arm Ass'y	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
M109	RFN41Z	Circlip	1	S
M110	RFI11Y	Flywheel Metal	2	
M111	RFX36Z	Trigger Lever Washer	2	
M112	RFN42Y	Slider	2	
M113	RFX42Z	Circlip	3	
M114	RFS161Z	RF Lever Spring	1	
M115	XSS26+4FX	Screw	1	
M116	RFX28Z	FF Lever Metal	2	
M117	XSN2+3FX	Screw	2	
M118	RFX29Z	Base Plate Spacer	1	
M119	XTN26+5B	Screw	1	
M120	XYN26+C10FX	Screw	1	
M121	XUC12FT	Circlip	1	
M122	RFN37Z	Slider	2	
M123	RVD10E1	Diode	3	
M124	DM101A	Hall Element	2	
M125	RFX37Z	RF Lock Lever Washer	1	
M126	RFX38Z	RF Lock Washer	1	
M127	RFD108Z	Play Lever Stop Bracket	1	
M128	RFS160Z	Back Tension Spring	1	
		INTEGRATED CIRCUITS, TRANSISTORS AND DIODES		
IC1	RVILA1140	IC	1	
IC2	RVILA2101	IC	1	
IC3	RVILA3370	IC	1	
IC201	RVILA1130	IC	1	
IC301	RVITC4066BP	IC	1	
IC302	RVIUPC78L05A	IC	1	
IC501	RVILC7500	IC	1	
IC502	RVIM74LS09P	IC	1	
IC503	RVIM53242P	IC	1	
IC504,505	RVILB1416	IC	2	
IC601	RVITD6102P	IC	1	
IC602	RVITC9125P	IC	1	
IC603	RVITC9141P	IC	1	
IC604	RVITC4016BP	IC	1	
IC605	RVITD62301P	IC	1	
IC606,607	RVITC5066BP	IC	2	
IC608,806	RVIUPC78L05A	IC	2	
IC609	RVILQT-100KY	IC	1	
IC701	RVIUPC1032H	IC	1	
IC702,703	NE646B	IC	2	
IC801	RVIBA335D	IC	1	
IC802	AN6249	IC	1	
IC803,804	RVIM74LS00P	IC	2	
IC805	RVIM74LS09P	IC	1	
IC901	RVIUPC78M08H	IC	1	
Power Amplifier Block				
IC1,2	RVISTK0029NZ	IC	2	
IC3,4	RVIM51517L	IC	2	
Q1	3SK74	Transistor (Si)	1	
Q2,3	2SC2671	Transistor (Si)	2	
Q4,6,10,2	204~206 2SC2295	Transistor (Si)	6	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
Q5,203,403,404, 407,408,606	2SB709R	Transistor (Si)	7	
Q7~9,201,202	2SK49F2	Transistor (Si)	5	
Q11~14,207,208,313, 314,409~418,501~505, 511,512,602,607~610,612, 701~703,802,803,807, 808,810~812,816,819, 821~823,826,827,832, 833,844	2SD601R	Transistor (Si)	52	
Q401,402,405,406	2SC1622	Transistor (Si)	4	
Q301~312,315~327	2SC1623L6A	Transistor (Si)	23	
Q328,329,704	2SC1383R1	Transistor (Si)	3	
Q601	2SK160K4	Transistor (Si)	1	
Q611	2SC828AQ	Transistor (Si)	1	
Q801,804,806	2SA564-Q	Transistor (Ge)	3	
Q805,820,825	2SA812M5	Transistor (Ge)	3	
Q813,814,817,818	2SD965	Transistor (Si)	4	
Q828,901	2SC2001L1	Transistor (Si)	2	
Q831	2SA886	Transistor (Ge)	1	
Power Amplifier Block				
Q1,2	2SA798A-G2	Transistor (Si)	2	
Q3,4	2SC1885-R	Transistor (Si)	2	
Q5,6	2SC945-Q	Transistor (Si)	2	
Q7	2SA666AI-R	Transistor (Si)	1	S
Q9	2SC2001L1	Transistor (Si)	1	
Q10,11	2SC1328-T	Transistor (Si)	2	S
Q101,102	2SD717	Transistor (Si)	2	
D1,2	MA56	Diode (Si)	2	
D3,12~16,201,202, 207~212,301,307~309, 311,501,502,507,610,631 805,825~827,901,905	MA161	Diode (Si)	30	S
D4~7	RVDSVC211	Diode (Si)	4	
D8~11	RVD1SS97	Diode (Si)	4	
D17	RVDKB262C	Diode (Si)	1	S
D203~206	RVDSVC321	Diode (Si)	4	
D303	RVDRD12FB	Diode (Si)	1	S
D304	MA1100	Diode (Si)	1	S
D306	RVDSLRL34URC	Diode (Ga)	1	
D213,519,520, 820,821,828,829	OA90	Diode (Ge)	7	S

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
D302,607,810	802,809 MA151WA	Diode (Si)	4	
D508~517,606,611~	MA151WK 523~530,602~ 618,815,816	Diode (Si)	2	
D518,521,811~814	RVDSL34GC 522, 817~819	Diode (Ga)	33	
D601	RVDSL34URC	Diode (Ga)	10	
D620,632	RVDRD9R1FB	Diode (Si)	1	S
D701	RVDRD5R6EB2	Diode (Si)	2	
D822,831,834,906~	MA1110 832, 908	Diode (Si)	1	
D824	SM112	Diode (Si)	7	S
D803,804	RVDWZ094 830,833	Diode (Si)	1	S
D902	OA91	Diode (Ge)	4	S
D903	RVDRD5R1EB2	Diode (Si)	1	
D904	MA1200	Diode (Si)	1	
Power Amplifier Block	RVDRD5R1EB2	Diode (Si)	1	
D2	SVDEQA0112R	Diode (Si)	1	S
D4	SVDRD16EB	Diode (Si)	1	S
D5,7	SM112	Diode (Si)	2	S
D6,103	SVDS3V40	Diode (Si)	2	S
D8,9	MA161	Diode (Si)	2	S
D101,102	RVD5DH2M	Diode (Si)	2	
SCR1	M21C-R	Thyristor (Si)	1	
Dome Lamp	Block			
D1,2	SM112	Diode (Si)	2	
COILS AND TRANSFORMERS				
L2	RLO4N135	FM Antenna Coil	1	
L3	RLO4N98	FM RF Coil	1	
L5	RLO4N133	FM RF Coil	1	
L6	RLO4N136	FM RF Coil	1	
L7,8	RLA4Z5	Balun Coil	2	
L201	RLA2C12	AM Antenna Coil	1	
L203,204	206			
L205	RLA2A1	AM RF Coil	3	
L901	RLO2A6	AM Oscillator Coil	1	
T1	RLT6F5	Choke Coil	1	
T2	RLI9A1	FM IFT	1	
T3	RLI4A1	FM IFT	1	
T4	RLI4A16	FM IFT	1	
T5	RLI4A17	FM IFT	1	
T201	RLI4A18	FM IFT	1	
T202	RLI2A12	AM IFT	1	
T203,204	RLI2A13	AM IFT	1	
T901	RLI2A14	AM IFT	2	
	RLT9C1	DC-DC Convertor Transformer	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
Power Amplifier Block				
T1	RLT9I1	Transformer	1	
CH1	RLT6H7	Transformer	1	
CH2	RLT6F5	Transformer	1	
CH101,102	RLQX2601	Coil	2	
CH103	RLQX1901	Coil	1	
L1,2	SLQY15G-1U	Coil	2	
VARIABLE RESISTORS				
VR1	EVNM4AA00B54	Variable Resistor, 50k Ω (B)	1	S
VR2	EVNM4AA00B14	" 10k Ω (B)	1	S
VR3	EVNM4AA00B14	" 10k Ω (B)	1	
VR301	EVX30A001AEB	" 10k Ω	1	
VR401~405	EVBL23D10G54	" 50k Ω (G)	5	
VR406	EVNJ0AA00B53	" 5k Ω (B)	1	S
VR4,701,702	EVNM4AA00B24	" 20k Ω (B)	3	S
VARIABLE CAPACITORS				
CT1~4	ECV1ZW10X53N	Trimmer Capacitor	4	
CT201,202	204			
CT203	ECV1ZW20X53N	"	3	
	ECV1ZW40X53N	"	1	
CERAMIC FILTERS				
CF1	RVFSFE107MKA	Ceramic Filter	1	
CF2	RVFSFE107LKA	"	1	
CF201	RVFCFM2450B	"	1	
CF202	RVFCFM2450Z	"	1	
THERMISTOR				
Th801	RRPG01AR3R9M	Thermistor	1	
CRYSTAL				
X601	RVCX9000N2N	Crystal	1	
SWITCHES				
S501,502,601~606,607,608,805,806,807,808,809,810,811,812,813	EVQQ4R13K	Switch, Volume Up/Down, CH1~6, Memory, Preset Scan, Clock H/M, Stop, Eject, \triangleright , Program, \triangleleft , TPS & Tuning Up/Down Switch	19	
S503,609,610,801,802,804	RSH2B18Z	Switch, DX-Local, Dimmer, FM/AM, Power, Tape & Clock/Freq. Switch	6	
S504,505,803	RSH2C01Z	Switch, Loudness, Sound Attenuator & Dolby NR Switch	3	
S611~613	RSHX030Z	Switch, Scan, Manual, Seek Switch	1	
S701	RFA19Z	Switch, Motor Switch	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
S702	RFA17Z	Switch, Radio/Tape Switch	1	
S703	RFA18Z	Switch, Program Switch	1	
RL901	RSL28X	Switch, Relay Switch	1	
Dome Lamp S1	Block RWSML610M	Switch, Dome Lamp	1	
RESISTORS (Value is in OHMS)				
R1	RRD18XK471	470 1/8W Chip	1	
R2	RRD18XK681	680 " "	1	
R3	RRD18XK470	47 " "	1	
R4	RRD18XK471	470 " "	1	
R5	RRD18XK104	100 k " "	1	
R6	RRD18XK124	120 k " "	1	
R7	RRD18XK334	330 k " "	1	
R8	RRD18XK101	100 " "	1	
R9,10	RRD18XK222	2.2 k " "	2	
R11,12	RRD18XK104	100 k " "	2	
R13	RRD18XK473	47 k " "	1	
R14	RRD18XK151	150 " "	1	
R15	RRD18XK471	470 " "	1	
R16	RRD18XK332	3.3 k " "	1	
R17	RRD18XK222	2.2 k " "	1	
R18	ERD25FJ470	47 1/4W Carbon	1	S
R19,20	RRD18XK470	47 1/8W Chip	2	
R21	RRD18XK101	100 " "	1	
R22	RRD18XK102	1 k " "	1	
R23	RRD18XK472	4.7 k " "	1	
R24,25	RRD18XK104	100 k " "	2	
R26	RRD18XK470	47 " "	1	
R27	RRD18XK680	68 " "	1	
R28	RRD18XK101	100 " "	1	
R29	RRD18XK223	22 k " "	1	
R30	RRD18XK101	100 " "	1	
R31	RRD18XK224	220 k " "	1	
R32	RRD18XK682	6.8 k " "	1	
R33	RRD18XK472	4.7 k " "	1	
R34	RRD18XK471	470 " "	1	
R35	RRD18XK683	68 k " "	1	
R36	RRD18XK103	10 k " "	1	
R37	RRD18XK222	2.2 k " "	1	
R38	RRD18XK470	47 " "	1	
R39	RRD18XK104	100 k " "	1	
R40	RRD18XK221	220 " "	1	
R41	RRD18XK152	1.5 k " "	1	
R42,43	RRD18XK471	470 " "	2	
R44	RRD18XK151	150 " "	1	
R45,46	RRD18XK101	100 " "	2	
R47	RRD18XK471	470 " "	1	
R48	RRD18XK223	22 k " "	1	
R49	RRD18XK332	3.3 k " "	1	
R50	RRD18XJ333	33 k " "	1	
R51	RRD18XK103	10 k " "	1	
R52	RRD18XK104	100 k " "	1	
R53	RRD18XK473	47 k " "	1	
R54	RRD18XK332	3.3 k " "	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R55	RRD18XK152	1.5 k 1/8W Chip	1	
R56	RRD18XK102	1 k " "	1	
R57,58	RRD18XK222	2.2 k " "	2	
R59	RRD18XK272	2.7 k " "	1	
R60	RRD18XK223	22 k " "	1	
R61	RRD18XK104	100 k " "	1	
R62~65	RRD18XK472	4.7 k " "	4	
R66	RRD18XK102	1 k " "	1	
R67	RRD18XK153	15 k " "	1	
R68	RRD18XJ153	15 k " "	1	
R69	RRD18XJ822	8.2 k " "	1	
R70	RRD18XJ153	15 k " "	1	
R71	RRD18XK101	100 " "	1	
R72	RRD18XK682	6.8 k " "	1	
R73	RRD18XK562	5.6 k " "	1	
R74	RRD18XK154	150 k " "	1	
R76	RRD18XK473	47 k " "	1	
R77	RRD18XK103	10 k " "	1	
R78	RRD18XK681	680 " "	1	
R79	RRD18XK103	10 k " "	1	
R80	RRD18XK104	100 k " "	1	
R81	RRD18XK681	680 " "	1	
R82	RRD18XK102	1 k " "	1	
R83	RRD18XK223	22 k " "	1	
R84	RRD18XK221	220 " "	1	
R85	RRD18XK101	100 " "	1	
R86	RRD18XK222	2.2 k " "	1	
R87,88	RRD18XJ332	3.3 k " "	2	
R89	RRD18XK153	15 k " "	1	
R90	RRD18XK822	8.2 k " "	1	
R91	RRD18XK123	12 k " "	1	
R92	RRD18XK102	1 k " "	1	
R93~96	RRD18XK103	10 k " "	4	
R97	RRD18XK473	47 k " "	1	
R98	RRD18XK103	10 k " "	1	
R99	RRD18XK473	47 k " "	1	
R100	RRD18XK103	10 k " "	1	
R101	RRD18XK222	2.2 k " "	1	
R102	RRD18XK471	470 " "	1	
R103	RRD18XK222	2.2 k " "	1	
R104	RRD18XK471	470 " "	1	
R201	RRD18XK684	680 k " "	1	
R202	RRD18XK102	1 k " "	1	
R203	RRD18XK153	15 k " "	1	
R204	RRD18XK101	100 " "	1	
R205	RRD18XK224	220 k " "	1	
R206	RRD18XK123	12 k " "	1	
R207	RRD18XK473	47 k " "	1	
R208	RRD18XK102	1 k " "	1	
R209	RRD18XK474	470 K " "	1	
R210	ERD25FJ102	1 k 1/4W Carbon	1	S
R211~213	RRD18XK474	470 k 1/8W Chip	3	
R214	RRD18XK470	47 " "	1	
R215	RRD18XK472	4.7 k " "	1	
R216,217	RRD18XK103	10 k " "	2	
R218	RRD18XK330	33 " "	1	

Ref. No.	Part No.	Part Name & Description			Per Set	Remarks	Ref. No.	Part No.	Part Name & Description			Per Set	Remarks
R219	RRD18XK101	100	1/8W	Chip	1		R390	RRD18XK103	10 k	1/8W	Chip	1	
R220,221	RRD18XK103	10 k	"	"	2		R391	RRD18XK104	100 k	"	"	1	
R222	RRD18XK473	47 k	"	"	1		R392	RRD18XK103	10 k	"	"	1	
R223	RRD18XK822	8.2 k	"	"	1		R393	RRD18XK223	22 k	"	"	1	
R224	RRD18XK102	1 k	"	"	1		R394	RRD18XK103	10 k	"	"	1	
R225	RRD18XK472	4.7 k	"	"	1		R395	RRD18XK472	4.7 k	"	"	1	
R226,227	RRD18XK222	2.2 k	"	"	2		R396	RRD18XK562	5.6 k	"	"	1	
R228	RRD18XK102	1 k	"	"	1		R397	RRD18XK102	1 k	"	"	1	
R229	RRD18XK104	100 k	"	"	1		R399	RRD18XK104	100 k	"	"	1	
R230	RRD18XK470	47	"	"	1		R401,402	RRD18XK102	1 k	"	"	2	
R231,232	RRD18XK222	2.2 k	"	"	2		R403~406	RRD18XK823	82 k	"	"	4	
R233	RRD18XK154	150 k	"	"	1		R407,408	RRD18XK153	15 k	"	"	2	
R234	RRD18XK223	22 k	"	"	1		R409,410	RRD18XK392	3.9 k	"	"	2	
R235	RRD18XK102	1 k	"	"	1		R411,412	RRD18XK471	470	"	"	2	
R236	RRD18XK105	1 M	"	"	1		R413,414	RRD18XK332	3.3 k	"	"	2	
R237	RRD18XK471	470	"	"	1		R415	RRD18XK152	1.5 k	"	"	1	
R238	RRD18XK682	6.8 k	"	"	1		R416	RRD18XJ332	3.3 k	"	"	1	
R239	RRD18XK683	68 k	"	"	1		R417,418	RRD18XK121	120	"	"	2	
R240	RRD18XK331	330	"	"	1		R419,420	RRD18XK332	3.3 k	"	"	2	
R301~312	RRD18XK104	100 k	"	"	12		R421~424	RRD18XK823	82 k	"	"	4	
R313,314	RRD18XK223	22 k	"	"	2		R425,426	RRD18XK393	39 k	"	"	2	
R315,316	RRD18XK563	56 k	"	"	2		R427,428	RRD18XK822	8.2 k	"	"	2	
R317,318	RRD18XK682	6.8 k	"	"	2		R429,430	RRD18XK471	470	"	"	2	
R319,320	RRD18XK181	180	"	"	2		R431,432	RRD18XK152	1.5 k	"	"	2	
R321,322	RRD18XK101	100	"	"	2		R433,434	RRD18XK682	6.8 k	"	"	2	
R323,324	RRD18XK822	8.2 k	"	"	2		R435,436	RRD18XK124	120 k	"	"	2	
R325,326	RRD18XK182	1.8 k	"	"	2		R437,438	RRD18XK391	390	"	"	2	
R327,328	RRD18XK101	100	"	"	2		R439,440	RRD18XK682	6.8 k	"	"	2	
R329,330	RRD18XK822	8.2 k	"	"	2		R441,442	RRD18XK823	82 k	"	"	2	
R331,332	RRD18XK682	6.8 k	"	"	2		R443,444	RRD18XK391	390	"	"	2	
R333,334	RRD18XK101	100	"	"	2		R445,446	RRD18XK682	6.8 k	"	"	2	
R335,336	RRD18XK562	5.6 k	"	"	2		R447,448	RRD18XK104	100 k	"	"	2	
R337,338	RRD18XK183	18 k	"	"	2		R449,450	RRD18XK331	330	"	"	2	
R339,340	RRD18XK101	100	"	"	2		R451,452	RRD18XK682	6.8 k	"	"	2	
R341,342	RRD18XK562	5.6 k	"	"	2		R453,454	RRD18XK823	82 k	"	"	2	
R343,344	RRD18XK473	47 k	"	"	2		R455,456	RRD18XK331	330	"	"	2	
R345~348	RRD18XK101	100	"	"	4		R457,458	RRD18XK682	6.8 k	"	"	2	
R349,350	RRD18XK823	82 k	"	"	2		R459,460	RRD18XK104	100 k	"	"	2	
R351,352	RRD18XK563	56 k	"	"	2		R461,462	RRD18XK331	330	"	"	2	
R353,354	RRD18XK333	33 k	"	"	2		R463,464	RRD18XK682	6.8 k	"	"	2	
R355,356	RRD18XK152	1.5 k	"	"	2		R465	RRD18XK153	15 k	"	"	1	
R357,358	RRD18XK474	470 k	"	"	2		R466	RRD18XK101	100	"	"	1	
R359,360	RRD18XK472	4.7 k	"	"	2		R501	ERD25FJ470	47	1/4W	Carbon	1	S
R361~364	RRD18XK332	3.3 k	"	"	4		R502	RRD18XK102	1 k	1/8W	Chip	1	
R365~368	RRD18XK331	330	"	"	4		R503~506	RRD18XK104	100 k	"	"	4	
R369~372	RRD18XK104	100 k	"	"	4		R507	RRD18XK154	150 k	"	"	1	
R373~376	RRD18XK124	120 k	"	"	4		R508	RRD18XK101	100	"	"	1	
R377,378	RRD18XK152	1.5 k	"	"	2		R509	RRD18XK223	22 k	"	"	1	
R379~381	RRD18XK104	100 k	"	"	3		R510	RRD18XK103	10 k	"	"	1	
R382	RRD18XK103	10 k	"	"	1		R511	RRD18XK223	22 k	"	"	1	
R383	RRD18XK104	100 k	"	"	1		R512	RRD18XK103	10 k	"	"	1	
R384	RRD18XK472	4.7 k	"	"	1		R513	RRD18XK223	22 k	"	"	1	
R385	RRD18XK683	68 k	"	"	1		R514	RRD18XK103	10 k	"	"	1	
R386	RRD18XK104	100 k	"	"	1		R515	RRD18XK223	22 k	"	"	1	
R387	RRD18XK472	4.7 k	"	"	1		R516	RRD18XK103	10 k	"	"	1	
R388,389	RRD18XK273	27 k	"	"	2		R517	RRD18XK223	22 k	"	"	1	

Ref. No.	Part No.	Part Name & Description			Per Set	Remarks
R518~520	RRD18XK103	10 k	1/8W	Chip	3	
R521~523	ERD25FJ103	10 k	1/4W	Carbon	3	S
R524~528	RRD18XK682	6.8 k	1/8W	Chip	5	
R534~537	RRD18XK104	100 k	"	"	4	
R538	ERD25FJ681	680	1/4W	Carbon	1	S
R539, 540	RRD18XK681	680	1/8W	Chip	2	
R541	RRD18XK331	330	"	"	1	
R542	RRD18XK561	560	"	"	1	
R543, 544	RRD18XK103	10 k	"	"	2	
R545, 546	RRD18XK474	470 k	"	"	2	
R547, 548	RRD18XK103	10 k	"	"	2	
R549, 550	RRD18XK102	1 k	"	"	2	
R551, 552	RRD18XK472	4.7 k	"	"	2	
R553~556	RRD18XK103	10 k	"	"	4	
R557, 558	RRD18XK104	100 k	"	"	2	
R559, 560	RRD18XK153	15 k	"	"	2	
R561, 562	RRD18XK101	100	"	"	2	
R563~570	RRD18XK470	47	"	"	8	
R571	ERGLANJ330	33	1W	Metal Oxide	1	S
R601	RRD18XK221	220	1/8W	Chip	1	
R602	RRD18XK472	4.7 k	"	"	1	
R603	RRD18XK681	680	"	"	1	
R604	RRD18XK562	5.6 k	"	"	1	
R605	RRD18XK682	6.8 k	"	"	1	
R606	RRD18XK222	2.2 k	"	"	1	
R607	RRD18XK101	100	"	"	1	
R608	RRD18XK333	33 k	"	"	1	
R609	ERD25TJ104	100 k	1/4W	Carbon	1	S
R610	RRD18XK103	10 k	1/8W	Chip	1	
R611, 612	RRD18XK681	680	"	"	2	
R613~615	RRD18XK102	1 k	"	"	3	
R616	ERD25TJ224	220 k	1/4W	Carbon	1	S
R617	RRD18XK223	22 k	1/8W	Chip	1	
R619	RRD18XK104	100 k	"	"	1	
R620	RRD18XK122	1.2 k	"	"	1	
R621~623	RRD18XK330	33	"	"	3	
R624~627	RRD18XK103	10 k	"	"	4	
R628	RRD18XK330	33	"	"	1	
R629~643	RRD18XK104	100 k	"	"	14	
R644	ERD25FJ223	22 k	1/4W	Carbon	1	S
R645	RRD18XK681	680	1/8W	Chip	1	
R646	ERD25FJ103	10 k	1/4W	Carbon	1	S
R647	RRD18XK103	10 k	1/8W	Chip	1	
R650	RRD18XK223	22 k	"	"	1	
R651	RRD18XK473	47 k	"	"	1	
R652	RRD18XK103	10 k	"	"	1	
R653	RRD18XK104	100 k	"	"	1	
R655	RRD18XK103	10 k	"	"	1	
R701, 702	RRD18XK223	22 k	"	"	2	
R703, 704	RRD18XJ470	47	"	"	2	
R705, 706	RRD18XK392	3.9 k	"	"	2	
R707, 708	RRD18XK104	100 k	"	"	2	
R709, 710	RRD18XK473	47 k	"	"	2	
R711, 712	RRD18XK332	3.3 k	"	"	2	

Ref. No.	Part No.	Part Name & Description			Per Set	Remarks
R713	RRD18XK682	6.8 k	1/8W	Chip	1	
R715, 716	RRD18XK332	3.3 k	"	"	2	
R717, 718	RRD18XK334	330 k	"	"	2	
R719~721	RRD18XK103	10 k	"	"	3	
R722	RRD18XK223	22 k	"	"	1	
R723, 724	RRD18XJ473	47 k	"	"	2	
R725, 726	RRD18XJ332	3.3 k	"	"	2	
R727, 728	RRD18XJ105	1 M	"	"	2	
R729, 730	RRD18XJ181	180	"	"	2	
R731, 732	RRD18XJ182	1.8 k	"	"	2	
R733, 734	RRD18XK122	1.2 k	"	"	2	
R735~738	RRD18XJ102	1 k	"	"	4	
R739, 740	RRD18XJ184	180 k	"	"	2	
R741, 742	RRD18XJ274	270 k	"	"	2	
R743	RRD18XK561	560	"	"	1	
R744	RRD18XK181	180	"	"	1	
R801	RRD18XK391	390	"	"	1	
R802	RRD18XJ103	10 k	"	"	1	
R803	RRD18XJ124	120 k	"	"	1	
R804	RRD18XK103	10 k	"	"	1	
R805	RRD18XK101	100	"	"	1	
R806~809	RRD18XK103	10 k	"	"	4	
R810	RRD18XK223	22 k	"	"	1	
R812	RRD18XK682	6.8 k	"	"	1	
R813	RRD18XK473	47 k	"	"	1	
R814~816	RRD18XK154	150 k	"	"	3	
R818~820	RRD18XK154	150 k	"	"	3	
R821, 822	RRD18XK103	10 k	"	"	2	
R823, 824	RRD18XK223	22 k	"	"	2	
R825, 826	RRD18XK472	4.7 k	"	"	2	
R827, 828	RRD18XK392	3.9 k	"	"	2	
R829, 830	RRD18XK101	100	"	"	2	
R831~835	RRD18XK103	10 k	"	"	5	
R837	RRD18XK332	3.3 k	"	"	1	
R838	RRD18XJ392	3.9 k	"	"	1	
R839	RRD18XK333	33 k	"	"	1	
R840	RRD18XK103	10 k	"	"	1	
R841	RRD18XK222	2.2 k	"	"	1	
R843	RRD18XK223	22 k	"	"	1	
R845	RRD18XK184	180 k	"	"	1	
R846	RRD18XK222	2.2 k	"	"	1	
R847	RRD18XK472	4.7 k	"	"	1	
R848	RRD18XK103	10 k	"	"	1	
R849	RRD18XK102	1 k	"	"	1	
R850	RRD18XK221	220	"	"	1	
R851	RRD18XK333	33 k	"	"	1	
R854	RRD18XK103	10 k	"	"	1	
R855	RRD18XK473	47 k	"	"	1	
R856	RRD18XK333	33 k	"	"	1	
R857	RRD18XK222	2.2 k	"	"	1	
R858	RRD18XK224	220 k	"	"	1	
R859	RRD18XK221	220	"	"	1	
R861	RRD18XK472	4.7 k	"	"	1	
R862	RRD18XJ392	3.9 k	"	"	1	
R863	RRD18XJ683	68 k	"	"	1	
R865~867	RRD18XK681	680	"	"	3	

Ref. No.	Part No.	Part Name & Description			Per Set	Remarks	Ref. No.	Part No.	Part Name & Description			Per Set	Remarks
R868	RRD18XK104	100 k	1/8W	Chip	1		R19,20	ERD25TJ154	150 k	1/4W	Carbon	2	S
R869	RRD18XK101	100	"	"	1		R21,22	ERD25FJ4R7	4.7	"	"	2	S
R870	RRD18XK104	100 k	"	"	1		R23,24	ERD25FJ222	2.2 k	"	"	2	S
R871~875	RRD18XK561	560	"	"	5		R25,26	ERF2SKR15	0.15	2W	Non-Flammable	2	
R876	RRD18XK182	1.8 k	"	"	1		R27,28	ERD25FJ471	470	1/4W	Carbon	2	S ▲
R878	RRD18XK332	3.3 k	"	"	1		R29	ERD25FJ472	4.7 k	"	"	1	S
R881	RRD18XK104	100 k	"	"	1		R30	ERD25FJ682	6.8 k	"	"	1	S
R882	RRD18XK224	220 k	"	"	1		R31,32	ERD25FJ563	56 k	"	"	2	S
R883	RRD18XK103	10 k	"	"	1		R33,34	ERD25TJ104	100 k	"	"	2	S
R884	ERD25FJ102	1 k	1/4W	Carbon	1	S	R35,36	ERD25FJ473	47 k	"	"	2	S
R885	RRD18XK104	100 k	1/8W	Chip	1		R37~40	ERD25FJ332	3.3 k	"	"	4	S
R886~888	RRD18XK102	1 k	"	"	3		R41,42	ERD25FJ821	820	"	"	2	S
R889,890	RRD18XK103	10 k	"	"	2		R43,44	ERD25FJ1R0	1	"	"	2	S
R891	RRD18XK101	100	"	"	1		R45,46	ERD25FJ821	820	"	"	2	S
R892	RRD18XK103	10 k	"	"	1		R50,51	ERD25FJ102	1 k	"	"	2	S
R893	RRD18XK104	100 k	"	"	1		R52	ERD25FJ152	1.5 k	"	"	1	S
R894	RRD18XK122	1.2 k	"	"	1		R53	ERD25FJ102	1 k	"	"	1	S
R896,897	ERD25VKF2202	22 k	1/4W	Carbon	2		R54	ERD25FJ471	470	"	"	1	S ▲
R898,899	ERD25TJ104	100 k	"	Carbon	2	S	R55	ERGIANJ471	470	1W	Metal Oxide	1	S ▲
R901	RRD18XK472	4.7 k	1/8W	Chip	1		R56	ERD25FJ122	1.2 k	1/4W	"	1	S
R902	RRD18XK333	33 k	"	"	1		R57	ERD25FJ471	470	"	"	1	S
R903	RRD18XK101	100	"	"	1		R60	ERD25FJ472	4.7 k	"	"	1	S
R904	ERGIANJ100	10	1W	Metal Oxide	1	S	R61~64	ERD25FJ153	15 k	"	"	4	S
R905	RRD18XK102	1 k	1/8W	Chip	1		R101	ERX1ANJ3R3	3.3	1W	Metal Film	1	S ▲
R906	RRD18XK332	3.3 k	"	"	1		R102	ERG2ANJ221	220	2W	Metal Oxide	1	S ▲
R907	RRD18XK122	1.2 k	"	"	1		CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS)						
R921	ERGIANJ470	47	1W	Metal Oxide	1	S	C1	ECUX1H330KC	33 P	50V	Chip	1	
R922	RRD18XK332	3.3 k	1/8W	Chip	1		C2	ECEA1HS100	10	"	Electrolytic	1	S
R925	RRD18XK330	33	"	"	1		C3~5	ECUX1H102MD	0.001	"	Chip	3	
R951	RRD18XK472	4.7 k	"	"	1		C7	ECUX1H030CC	3 P	"	"	1	
R952	RRD18XK682	6.8 k	"	"	1		C8	ECEA1AS470	47	10V	Electrolytic	1	S
R953	RRD18XK333	33 k	"	"	1		C9	ECUX1H330KC	33 P	50V	Chip	1	
R956	RRD18XK393	39 k	"	"	1		C10	ECUX1H100KC	10 P	"	"	1	
R957	RRD18XK103	10 k	"	"	1		C11	ECUX1H102MD	0.001	"	"	1	
R958	RRD18XK561	560	"	"	1		C12	ECUX1H103ZF	0.01	"	"	1	
R959	RRD18XK331	330	"	"	1		C13	ECUX1H102ZF	0.001	"	"	1	
R961,962	RRD18XK223	22 k	"	"	2		C14	ECUX1H103ZF	0.01	"	"	1	
R963	RRD18XK101	100	"	"	1		C15	ECUX1H220KC	22	"	"	1	
R964	RRD18XK103	10 k	"	"	1		C16,17	ECUX1H100KC	10	"	"	2	
R976	RRD18XK102	1 k	"	"	1		C18~20	ECUX1H102ZF	0.001	"	"	3	
R979,980	RRD18XK391	390	"	"	2		C21~24	ECUX1H103ZF	0.01	"	"	4	
R981,982	RRD18XK154	150 k	"	"	2		C25~27	ECUX1H102ZF	0.001	"	"	3	
R983,984	RRD18XK102	1 k	"	"	2		C29	ECUX1H680KC	68 P	"	"	1	
Power Amplifier Block							C30	ECUX1H103ZF	0.01	"	"	1	
R1,2	ERD25FJ223	22 k	1/4W	Carbon	2	S	C32	ECUX1H150KC	15 P	"	"	1	
R3,4	ERD25FJ102	1 k	"	"	2	S	C33	ECEA1HS100	10	"	Electrolytic	1	S
R5,6	ERD25FJ473	47 k	"	"	2	S	C34	ECEA50Z1	1	"	"	1	S
R7,8	ERD25FJ103	10 k	"	"	2	S	C35	ECUX1H103ZF	0.01	"	Chip	1	
R9,10	ERD25FJ102	1 k	"	"	2	S	C37	ECUX1H101KD	100 P	"	"	1	
R11,12	ERD25FJ122	1.2 k	"	"	2	S	C38	ECUX1H103ZF	0.01	"	"	1	
R13,14	ERD25FJ473	47 k	"	"	2	S	C39	ECUX1H560KC	56 P	"	"	1	
R15,16	ERD25FJ122	1.2 k	"	"	2	S	C40	ECUX1H101KD	100 P	"	"	1	
R17,18	ERD25FJ152	1.5 k	"	"	2	S	C41	ECUX1H103ZF	0.01	"	"	1	
							C42	ECUX1H220KC	22 P	"	"	1	

Ref. No.	Part No.	Part Name & Description			Per Set	Remarks	Ref. No.	Part No.	Part Name & Description			Per Set	Remarks
C43	ECUX1H101KD	100 P	50V	Chip	1		C211	ECEA1CS330	33	16V	Electrolytic	1	S
C44~46	ECUX1H103ZF	0.01	"	"	3		C212	ECUX1H070DC	7 P	50V	Chip	1	
C47~49	ECUX1H223ZF	0.022	"	"	3		C213	ECUX1H153MD	0.015	"	"	1	
C50	ECEA50Z1	1	"	Electrolytic	1	S	C214	ECUX1H820KC	82 P	"	"	1	
C51	ECEA25Z4R7	4.7	25V	"	1		C215	ECUX1H221KD	220 P	"	"	1	
C52~54	ECUX1H223ZF	0.022	50V	Chip	3		C216	ECUX1H153MD	0.015	"	"	1	
C55	ECUX1H103ZF	0.01	"	"	1		C217	ECQSLH471JZ	470 P	"	Styrol	1	
C56	ECUX1H101KD	100 P	"	"	1		C218	ECUX1H153MD	0.015	"	Chip	1	
C57	ECEA25Z2R2	2.2	25V	Electrolytic	1	S	C219	ECUX1H103MD	0.01	"	"	1	
C58	ECUX1H101KD	100 P	50V	Chip	1		C220, 221	ECUX1H153MD	0.015	"	"	2	
C59~62	ECUX1H271KD	270 P	"	"	4		C222	ECEA1ES470	47	25V	Electrolytic	1	S
C63, 64	ECUX1H681KD	680 P	"	"	2		C223	ECUX1H153MD	0.015	50V	Chip	1	
C65	ECQSLH122KZ	1200 P	"	Styrol	1		C225, 226	ECUX1H102MD	0.001	"	"	2	
C66	ECUX1H680KC	68 P	"	Chip	1		C227	ECUX1H153MD	0.015	"	"	1	
C67	ECUX1H103MD	0.01	"	"	1		C228	ECUX1H472MD	0.0047	"	"	1	
C68	ECUX1H682MD	0.0068	"	"	1		C229	ECEA50Z1	1	"	Electrolytic	1	S
C69	ECEA50Z1	1	"	Electrolytic	1	S	C230	ECEA25Z4R7	4.7	25V	"	1	S
C70	ECQSLH102JZ	0.001	"	Styrol	1		C231	ECEA1HS100	10 P	50V	"	1	S
C71	ECUX1H222MD	0.0022	"	Chip	1		C232	ECEA25Z2R2	2.2	25V	"	1	S
C72, 73	ECQSLH561JZ	560 P	"	Styrol	2		C233	ECEA50Z1	1	50V	"	1	S
C74	ECEA1ES470	47	25V	Electrolytic	1	S	C234, 235	ECUX1H151KD	150 P	"	Chip	2	
C75	ECUX1H222MD	0.0022	50V	Chip	1		C236	ECUX1H103ZF	0.01	"	"	1	
C77	ECEA25Z2R2	2.2	25V	Electrolytic	1	S	C237	ECUX1H223ZF	0.022	"	"	1	
C78, 79	ECUX1H223ZF	0.022	50V	Chip	2		C239	ECUX1H103ZF	0.01	"	"	1	
C80	ECEA50Z1	1	"	Electrolytic	1	S	C240	ECUX1H332MD	0.0033	"	"	1	
C81	ECEA1ES470	47	25V	"	1	S	C241	ECEA1ES470	47	25V	Electrolytic	1	S
C82, 83	ECUX1H153MD	0.015	50V	Chip	2		C242	ECUX1H153MD	0.015	50V	Chip	1	
C84	ECUX1H103ZF	0.01	"	"	1		C243	ECEA50Z1	1	"	Electrolytic	1	S
C85	ECUX1H223ZF	0.022	"	"	1		C244	ECEA1HS100	10	"	"	1	S
C86	ECEA1HS100	10	"	Electrolytic	1	S	C245	ECQG05223MZ	0.022	"	Polyestor	1	
C87	ECUX1H153MD	0.015	"	Chip	1		C246	ECQV05104JZ	0.1	"	"	1	
C88	ECUX1H103ZF	0.01	"	"	1		C247, 248	ECKD1H102MD	0.001	"	Ceramic	2	
C89	ECEA50Z1	1	"	Electrolytic	1	S	C250	ECEA1AS470	47	10V	Electrolytic	1	S
C90	ECQSLH102JZ	0.001	"	Styrol	1		C301~306	ECEA50Z1	1	50V	"	6	S
C91, 92	ECEA50Z1	1	"	Electrolytic	2	S	C307~310	ECEA25Z4R7	4.7	25V	"	4	
C93	ECEA50ZR47	0.47	"	"	1	S	C311~314	ECEA50ZR47	0.47	50V	"	4	
C94	ECEA50Z1	1	"	"	1	S	C315, 316	ECUX1H222MD	0.0022	"	Chip	2	
C95	ECUX1H222MD	0.0022	"	Chip	1		C317	ECEA1AS101	100	10V	Electrolytic	1	S
C96	ECUX1H332MD	0.0033	"	"	1		C318, 319	ECEA25Z4R7	4.7	25V	"	2	S
C97	ECEA1HS100	10	"	Electrolytic	1	S	C319, 320	ECEA1AS470	47	10V	"	2	S
C98	ECEA50Z1	1	"	"	1	S	C321, 322	ECEA1AS101	100	"	"	2	S
C99	ECUX1H222MD	0.0022	"	Chip	1		C323	ECEA1ES470	47	25V	"	1	S
C100	ECUX1H332MD	0.0033	"	"	1		C324	ECUX1H102MD	0.001	50V	Chip	1	
C101, 102	ECEA50Z1	1	"	Electrolytic	2	S	C325	ECEA1ES101	100	25V	Electrolytic	1	S
C103	ECEA1ES470	47	25V	"	1	S	C326	ECUX1H102MD	0.001	50V	Chip	1	
C104	ECCD1H101K	100 P	50V	Ceramic	1		C360	ECCD1H270KC	27 P	"	Ceramic	1	
C106	ECEA50ZR33	0.33	"	Electrolytic	1	S	C328	ECEA1ES470	47	25V	"	1	S
C107	ECUX1H100KC	10 P	"	Chip	1		C335, 336	ECQV05104JZ	0.1	50V	Polyestor	2	
C201	ECUX1H153MD	0.015	"	"	1		C337	ECEA1ES470	47	25V	Electrolytic	1	S
C202	ECQV05474JZ	0.47	"	Polyestor	1		C338	ECEA1AS101	100	10V	"	1	S
C203	ECUX1H223ZF	0.022	"	Chip	1		C339	ECEA1ES101	100	25V	"	1	S
C204	ECUX1H103MD	0.01	"	"	1		C341, 342	ECUX1H102MD	0.001	50V	Chip	2	
C205, 206	ECUX1H153MD	0.015	"	"	2		C350	ECKD1H103MD	0.01	"	"	1	
C208	ECUX1H153MD	0.015	"	"	1		C401, 402	ECUX1H102MD	0.001	"	"	2	
C209	ECUX1H103MD	0.01	"	"	1		C403, 404	ECUX1H220KC	22 P	"	"	2	
C210	ECUX1H153MD	0.015	"	"	1		C405~408	ECEA1AS470	47	10V	Electrolytic	4	S
							C361	ECCD1H330KS	33 P	50V	Ceramic	1	

Ref. No.	Part No.	Part Name & Description			Per Set	Remarks	Ref. No.	Part No.	Part Name & Description			Per Set	Remarks
C409,410	ECEA25Z4R7	4.7	25V	Electrolytic	2	S	C625	ECUX1H223ZF	0.022	50V	Chip	1	
C411,412	ECUX1H102MD	0.001	50V	Chip	2		C626	ECEA25Z2R2	2.2	25V	Electrolytic	1	S
C413,414	ECEA50Z1	1	"	Electrolytic	2	S	C627,628	ECUX1H223ZF	0.022	50V	Chip	2	
C415,416	ECUX1H220KC	22 P	"	Chip	2		C629,630	ECUX1H103MD	0.01	"	"	2	
C417~420	ECEA1AS470	47	10V	Electrolytic	4	S	C632	ECEA1AS470	47	10V	Electrolytic	1	S
C421,422	ECEA25Z4R7	4.7	25V	"	2	S	C633,634	ECQV05224JZ	0.22	50V	Polyestor	2	
C423,424	ECSF1AM335	3.3	10V	"	2		C635	ECUX1H103MD	0.01	"	Chip	1	
C425,426	ECQG05473KZ	0.047	50V	Polyestor	2		C640	ECXD1H471KB	470P	"	Ceramic	1	
C427,428	ECSF1VM684	0.68	35V	Electrolytic	2		C701,702	ECUX1H152MD	0.0015	"	Chip	2	
C429,430	ECQG05153MZ	0.015	50V	Polyestor	2		C703,704	ECEA1HS100	10	"	Electrolytic	2	S
C431,432	ECQV05154JZ	0.15	"	"	2		C705,706	ECEA1AS101	100	10V	"	2	S
C433,434	ECQG05472KZ	0.0047	"	"	2		C707,708	ECQV05333JZ	0.033	50V	Polyestor	2	
C435,436	ECQG05473KZ	0.047	"	"	2		C709,710	ECEA1HS100	10	"	Electrolytic	2	S
C437,438	ECQG05152MZ	0.0015	"	"	2		C711	ECEA1CS330	33	16V	"	1	S
C439,440	ECUX1H153MD	0.015	"	Chip	2		C712	ECEA1ES101	100	25V	"	1	S
C441,442	ECUX1H471KD	470 P	"	"	2		C713,714	ECQG05153KZ	0.015	50V	Polyestor	2	
C443	ECEA1AS101	100	10V	Electrolytic	1	S	C715	ECEA1HS100	10	"	Electrolytic	1	S
C444	ECEA1ES470	47	25V	"	1	S	C717,718	ECEA50Z1	1	"	"	2	S
C445	ECEA1AS471	470	10V	"	1	S	C719,720	ECQG05472KZ	0.0047	"	Polyestor	2	
C501	ECEA1HS100	10	50V	"	1	S	C721,722	ECQG05273KZ	0.027	"	"	2	
C502	ECUX1H153MD	0.015	"	Chip	1		C723,724	ECEA1HS100	10	"	Electrolytic	2	S
C503	ECUX1H682MD	0.0068	"	"	1		C725,726	ECUX1H471MD	470 P	"	Chip	2	
C504,505	ECUX1H223ZF	0.022	"	"	2		C727,728	ECQG05562KZ	0.0056	"	Polyestor	2	
C506	ECEA1HS100	10	"	Electrolytic	1	S	C729,730	ECEA1HS100	10	"	Electrolytic	2	S
C507	ECUX1H223ZF	0.022	"	Chip	1		C731,732	ECUX1H222MD	0.0022	"	Chip	2	
C508,509	ECEA1JS4R7	4.7	63V	Electrolytic	2	S	C733,734	ECEA1AS221	220	10V	Electrolytic	2	S
C510~512	ECEA1HS100	10	50V	"	3	S	C735,736	ECEA50ZR33	0.33	50V	"	2	
C513	ECUX1H223ZF	0.022	"	Chip	1		C737,738	ECQV05104JZ	0.1	"	Polyestor	2	
C515	ECUX1H223ZF	0.022	"	"	1		C739,740	ECEA1HS100	10	"	Electrolytic	2	S
C516~519	ECEA50Z1	1	"	Electrolytic	4	S	C741,742	ECFVD473MD	0.047	25V	Semi-Conductor	2	
C520,521	ECEA1HS100	10	"	"	2	S	C743	ECUX1H223ZF	0.022	50V	Chip	1	
C522,523	ECEA1JS4R7	4.7	63V	"	2	S	C744	ECEA1ES470	47	25V	Electrolytic	1	S
C524	ECUX1H223ZF	0.022	50V	Chip	1		C745	ECQV05104JZ	0.1	50V	Polyestor	1	
C525	ECEA1ES101	100	25V	Electrolytic	1	S	C801	ECEA50Z1	1	"	Electrolytic	1	S
C526	ECEA1HS100	10	50V	"	1	S	C802	ECEA50Z3R3	3.3	"	"	1	S
C527	ECUX1H223ZF	0.022	"	Chip	1		C803	ECEA1AS101	100	10V	"	1	S
C530	ECEA1ES101	100	25V	Electrolytic	1	S	C804	ECQV05474JZ	0.47	50V	Polyestor	1	
C601	ECUX1H102MD	0.001	50V	Chip	1		C805	ECEA1HS100	10	"	Electrolytic	1	S
C602	ECUX1H103MD	0.01	"	"	1		C806	ECQV05684JZ	0.68	"	Polyestor	1	
C603	ECUX1H223ZF	0.022	"	"	1		C807	ECUX1H223ZF	0.022	"	Chip	1	
C605	ECEA1AS101	100	10V	Electrolytic	1	S	C810	ECQV05474JZ	0.47	"	Polyestor	1	
C606	ECQV05474JZ	0.47	50V	Polyestor	1		C811	ECQG05683MZ	0.068	"	"	1	
C607	ECUX1H102MD	0.001	"	Chip	1		C812	ECEA1HS100	10	"	Electrolytic	1	S
C608	ECUX1H103MD	0.01	"	"	1		C813,814	ECEA1AS101	100	10V	"	2	S
C609	ECUX1H223ZF	0.022	"	"	1		C815~817	ECEA1AS470	47	"	"	3	S
C610	ECEA1HS100	10	"	Electrolytic	1	S	C818	ECEA1JS4R7	4.7	63V	"	1	S
C611	ECUX1H330KC	33 P	"	Chip	1		C821	ECEA1AS221	220	10V	"	1	S
C612	ECUX1H470KC	47 P	"	"	1		C822	ECEA10Z100	100	"	"	1	S
C613,614	ECUX1H223ZF	0.022	"	"	2		C824	ECEA50Z1	1	50V	"	1	S
C615	ECEA1HS100	10	"	Electrolytic	1	S	C825	ECEA1AS470	47	10V	"	1	S
C616	ECQG05563KZ	0.056	"	Polyestor	1		C826	ECEA1CS102	1000	16V	"	1	
C617~619	ECUX1H223ZF	0.022	"	Chip	3		C827	ECEA1AS101	100	10V	"	1	S
C620	ECEA1HS100	10	"	Electrolytic	1	S	C828	ECEA25Z2R2	2.2	25V	"	1	S
C621	ECEA1AS221	220	10V	"	1	S	C829	ECUX1H223ZF	0.022	50V	Chip	1	
C622,623	ECUX1H223ZF	0.022	50V	Chip	2		C830,831	ECEA10Z100	100	10V	Electrolytic	2	
C624	ECEA25Z2R2	2.2	25V	Electrolytic	1	S	C832	ECEA1AS470	47	"	"	1	S
							C835	ECEA1ES101	100	25V	"	1	S

Ref. No.	Part No.	Part Name & Description			Per Set	Remarks
C840	ECEA16M10R	10	16V	Electrolytic	1	S
C841	ECUX1H223ZF	0.022	50V	Chip	1	
C842	ECEA1HS100	10	"	Electrolytic	1	S
C843	ECEA50Z1	1	"	"	1	S
C844	ECUX1H222MD	0.0022	"	Chip	1	
C845	ECEA1ES470	47	25V	Electrolytic	1	S
C846	ECUX1H153MD	0.015	50V	Chip	1	
C850	ECEA1CS330	33	16V	Electrolytic	1	S
C901	ECEA1ES470	47	25V	"	1	S
C902	ECUX1H221KD	220 P	50V	Chip	1	
C903	ECQV05223JZ	0.022	"	Polyestor	1	
C904	ECEA1AS471	470	10V	Electrolytic	1	S
C905	ECUX1H103MD	0.01	50V	Chip	1	
C907	ECEA1JS4R7	4.7	63V	Electrolytic	1	S
C908	ECEA1AS101	100	10V	"	1	S
C909	ECUX1H223ZF	0.022	50V	Chip	1	
C921	ECEA1CS221	220	16V	Electrolytic	1	S
C922	ECEA0JS222	2200	6.3V	"	1	S
C923	ECEA1CS471	470	16V	"	1	S
C924	ECEA1HS100	10	50V	"	1	S
C925	ECQG05223MZ	0.022	"	Polyestor	1	
Power Amplifier Block						
C1,2	ECEA50Z1	1	50V	Electrolytic	2	S
C3,4	ECCD1H101K	100 P	"	Ceramic	2	
C5,6	ECEA1CS330	33	16V	Electrolytic	2	S
C7,8	ECEA1VS101	100	35V	"	2	S
C9,10	ECCD1H270K	27 P	50V	Ceramic	2	
C17,18	ECQM1H473MZ	0.047	"	Polyestor	2	
C19	ECEA1ES101	100	25V	Electrolytic	1	S
C20	ECEA1VS101	100	35V	"	1	S
C30	ECEA1ES470	47	25V	"	1	S
C31~34	ECEA50Z1	1	50V	"	4	S
C35,36	ECQM1H103MZ	0.01	"	Polyestor	2	
C37,38	ECCD1H102MD	0.001	"	Ceramic	2	
C39,40	ECEA1HS100	10	"	Electrolytic	2	S
C41,42	ECEA25Z4R7	4.7	25V	"	2	S
C43,44	ECEA1CS221	220	16V	"	2	S
C45,46	ECQM1H104MZ	0.1	50V	Polyestor	2	
C47,48	ECEA1CS221	220	16V	Electrolytic	2	S
C49,50	ECEA25Z4R7	4.7	25V	"	2	S
C51,52	ECEA1HS100	10	50V	"	2	S
C53,54	ECCD1H102MD	0.001	"	Ceramic	2	
C55,56	ECEA50Z1	1	"	Electrolytic	2	S
C57,58	ECQM1H333MZ	0.033	"	Polyestor	2	
C59	ECEA1CS221	220	16V	Electrolytic	1	S
C60	ECEA1ES471	470	25V	"	1	S
C62	ECFVD103MD	0.01	"	Semi-Conductor	1	
C64,65	ECEA1CS222	2200	16V	Electrolytic	2	S
C101,102	ECEA1CF221	220	"	"	2	
C103,104	ECEA1VF221	220	35V	"	2	
C105,106	ECEA1VF101	100	"	"	2	
C201~204	ECKL1H102PEA	1000 P	50V	Ceramic	4	
C207,208	ECKL1H102PEA	1000 P	"	"	2	
C301~308	ECKL1H102PEA	1000 P	"	"	8	
C309,310	ECKL2H102PEA	1000 P	500V	"	2	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
		CABINET PARTS		
K1	RYGM700N	Escutcheon Ass'y	1	
K2	RYP1M700N	Operation Panel Ass'y	1	
K3	RYPM710XG	Cassette Panel Ass'y	1	
K4	RYT1M700N	Knob Ass'y (Volume, etc.)	4	
K5	XAMR50S180	Pilot Lamp	9	
K6	RHG219Z	Holder, Lamp	9	
K7	RJT717Z	Terminal, Lamp	2	
K8	RMZ155Z	Reflection Plate	1	
K9	RMZ156Z	"	1	
K10	RDS5123Z	Spring, Button	11	
K11	RDS3083Z	"	15	
K12	RGK972Z	Operation Panel	1	
K13	RGK973Z	Panel	1	
K14	RGK974Z	Operation Panel, Cassette	1	
K15	RGK975Z	Panel	1	
K16	RGL42Z1	LED Panel (Red)	1	
K17	RGL42Z	LED Panel (Green)	4	
K18	RGL43Z1	Button Panel (Red)	1	
K19	RGL43Z	Button Panel (Green)	16	
K20	RGL44Z	LED Panel (Green)	1	
K21	RGL46Z1	LED Panel (Red)	6	
K22	RGT825Y8	Name Plate	1	
K23	RGX1117Z	Ornament, Right Side	1	
K24	RGX1117Y	Ornament, Left Side	1	
K25	RGX1140Z	Ornament, Center of Panel	1	
K26	RBC287Z	Button, Power, Dimmer etc.	11	
K27	RBC288Z	Ornament, Button	11	
K28	RBC289Z	Button, Ch1~6	6	
K29	RBC291Z	Button, TPS, Program etc.	5	
K30	RBD129Z	Knob, Equalizer	5	
K31	RHM114Z	Spacer, Cabinet Frame	18	
K32	RHR1138Z	Stopper, Panel	1	
K33	XTV3+10BFN	Screw, Ornament M'tg	18	S
K34	XTV3+14FFZ	Screw, Cassette Cover M'tg	4	
K35	XTV3+10G	Screw, Panel M'tg	6	
K36	XTV3+8G	Screw, Panel M'tg	4	
K37	RQT4163Z	Caution Label	1	
K38	RJT718Z	Terminal, Lamp	2	
K39	XTN23+5B	Screw, Lamp Terminal	2	S
		ELECTRICAL PARTS		
E1	RYT2M700N	Balance Knob Ass'y	1	
E2	RJS163Z	Socket, Antenna	1	
E3	RJT202B	Terminal	2	
E4	RMX193Z	Washer, Cassette Deck	4	
E5	RBC292Z	Button, Dolby NR, Tape	2	
E6	RBC293Z	Button, Clock/Freq.	1	
E7	RBC294Z	Button, Clock	4	
E8	RHR969Z	Stopper, Antenna Socket	2	
E9	RMC541Z	Shield Cover	1	
E10	RMZ157Z	Cover, Balance Light	1	
E11	RAD6BT19S	Display Tube	1	
E12	RUF6Z	Bracket, Display Tube	1	
E13	RMW202Z	Bracket, Switch	2	
E14	RHG222Z	Rubber, Display Tube	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks	Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
E15	RJS271Z	Socket, 12 Pin, Output	1		ME20	XTB3+8BFZ	Screw	4	S
E16	RMX192Z	Insulating Plate, Antenna Socket	1		ME21	RKU297Z	Bottom Cabinet	1	
E17	RJT433Z	Terminal, Lamp	2		ME22	RG7739Z	Name Plate	1	
E18	RJS171Y	Socket, 2 Pin	5		ME23	XTB3+8BFZ	Screw	6	S
E19	RJS253X	Socket, 3 Pin	5		ME24	XSN3+6BNS	Screw	2	S
E20	RJS216X	Socket, 4 Pin	3		ME25	SJTK12	Terminal	4	
E21	RJS217X	Socket, 5 Pin	3		ME26	SUVK9	Cover, Fuse (15A) (3A)	2	
E22	RJS112X	Socket, 6 Pin	1		ME27	RQT1061Z	Label, Fuse (15A)	1	
E23	RJS264X	Socket, 8 Pin	7		ME29	RQT1060Z	Label, Fuse (3A)	1	
E24	RJT462Y	Terminal, Socket	125		ME30	SJTK13	Terminal	1	
E25	RJP241Z	Plug, 2 Pin, CP2,3,4	3		ME31	SMXX6	Tube	1	
E26	RJP137Z	Plug, 2 Pin, CP703,907	2		ME32	RJT910Z	Terminal	1	
E27	RJP133Z	Plug, 3 Pin, CP308,309,603	3		ME33	RJS172Y	Socket (White)	1	
E28	RJP213Z	Plug, 3 Pin, CP901	1		ME34	RJS172Z	Socket (Black)	1	
E29	RJP134Z	Plug, 4 Pin, CP5,306	2						
E30	RJP107Z	Plug, 4 Pin, CP904	1		Dome Lamp Block				
E31	RJP136Z	Plug, 5 Pin, CP303,601	2		LE1	RYMLM610M7	Cabinet Ass'y, Dome Lamp	1	
E32	RJP116Z	Plug, 5 Pin, CP702	1		LE2	XAMR70T	Dome Lamp	2	
E33	RJP144Z	Plug, 6 Pin, CP304	1		LE3	RJS205Y	Socket Lamp	2	
E34	RJP142Z	Plug, 6 Pin, CP705,906	2		LE4	RGX1039Z	Lamp Cover	1	
E35	RJP154Z	Plug, 8 Pin, CP301,302,305,307,602	5		LE5	RBD107Z	Knob, Lamp Switch	1	
E36	RJP171Z	Plug, 8 Pin, CP704,801	2		LE6	RJS216X	Socket	1	
E37	RJP242Z	Plug, 11 Pin, CP802	1		LE7	RJT462Y	Terminal	4	
E38	XSN3+8S	Screw, Balance Volume M'tg	2	S	LE8	RJP107Z	Plug	1	
E39	XWA3B	Washer, Balance Volume M'tg	2	S	LE9	RUL408Z	Bracket, Socket	1	
E40	XTV3+6BFZ	Screw, Socket Bracket M'tg	4	S	LE10	XTN3+8B	Screw, Bracket M'tg	1	S
E41	XTV3+8BFN	Screw, Circuit Board M'tg	4	S	LE11	XTW3+8F	Screw, Switch M'tg	3	
E42	XTV3+6F	Screw, Circuit Board etc. M'tg	36				ACCESSORIES		
E43	XTV3+6FR	Red Screw, Cabinet Cover M'tg	5		A1	WRRR-30XX	Dome Lamp Extension Wire	1	
E44	XTV3+8BFN	Red Screw, Cassette Deck M'tg	4	S	A2	WRRH-30XX	"	1	
E45	XTV3+10GR	Red Screw, Circuit Board M'tg	7		A3	RHR131Z	Wire Nut	12	
E46	XTV3+20GR	Red Screw, Cabinet Cover M'tg	2		A4	RKC61Z	Front Mounting Plate	1	
E47	RNW322	Washer	2		A5	RKC61Y	"	1	
					A6	RKE320Z	Front Plate Cover	1	
Power Amplifier Block					A7	RKC51X	Rear Mounting Plate	1	
ME1	RKF487ZX	Upper Cabinet Ass'y	1		A8	RYED61001M	Rear Extension Plate	1	
ME2	XTB3+8BFZ	Screw	4	S	A9	RKE319Z	Padded Rear Cover	1	
ME3	XTB3+8BFN	Screw	6	S	A10	RHR980Z	Wire Protector	1	
ME4	RMC622ZX	Shield Plate, Top Cover	1		A11	RHR1088Z	Foam Spacer	2	
ME5	XSN3+14BVS	Screw	1	S	A12	XSN4+8S	Screw	8	S
ME6	RJR3B	Lug Terminal	1	S	A13	XWA4B	Washer	8	S
ME7	XWA3B	Washer	1	S	A14	XTN5+12AFX	Tapping Screw	2	
ME8	XNG3ES	Nut	1	S	A15	XTN5+16B	Tapping Screw	2	S
ME9	RME231Z	Bracket, IC	2		A16	XTN5+20AFZ	Tapping Screw	2	
ME10	XSN3+20BVS	Screw	4	S	A17	XTB4+16AFN	Tapping Screw	1	
ME11	RME230Z	Bracket, IC	4		A18	XWG4	Flat Washer	8	S
ME12	XSN3+14BVS	Screw	4	S	A19	XWG5F16	Flat Washer	6	S
ME13	RHR1089Z	Clamper, Cord	2		A20	XWA5B	Lock Washer	4	S
ME14	XTB3+10BFZ	Screw	4	S	A21	XNG5ES	Hex. Nut	4	S
ME15	XTB3+8BFN	Screw	4	S	A22	RME202Z	Wire Clamp	3	
ME16	XSN3+10BFN	Screw	3	S	A23	RME188Z	Wire Clamp	6	
ME17	XWA3BFN	Washer	3	S	A24	RHR993Z	Wire Clamp	6	
ME18	RMX171Z	Rubber	1		A25	RJP177Z	Antenna Lead	1	
ME19	RMC624Z	Shield Plate, Bottom Cover	1		A26	RWAM710M	Inter Connection Harness	1	
					A27	XBA1E20NS5	Fuse, 2A	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
A28	XTB3+10BFZ	Tapping Screw	4	S
A29	RJT218Z	Terminal	1	
A30	RJA78Z	Power Extension Wire	1	
A31	SHGK420	Grommet	1	
A32	RHR157Z	Wire Nut	1	
A33	XBA1E30NR5	Fuse, 3A	1	
A34	XBA1E150NR5	Fuse, 15A	1	
A35	XPD3X30F	Cotter Key	4	
A36	XTN5+16AFZ	Tapping Screw	4	
A37	XWG4FZ	Flat Washer	4	
A38	XWA5B	Lock Washer	4	S
A39	RJT687Z	Male Adapter Terminal	1	
A40	RJT686Z	Male Adapter Terminal	1	
PACKING MATERIALS				
P1	RPK9345Z	Gift Box Complete	1	S
P2	RPH322Z	Soft Sheet	1	
P3	RPP258Z	Polyethylene Cover	1	
P4	RPK818Z	Accessory Box	1	
	RPH326Z	Soft Sheet, Accessory	1	
P5	RPK816Z	Carton Box	1	
P6	RPN2923Z	Pad	1	
P7	RPN2924Z	Pad	1	
P8	XZB26X35A06	Polyethylene Cover	1	
PRINTED MATERIALS				
Y1	RQX6713Z	Instruction Book	1	
Y2	RQX9255Z	Instruction for Mounting	1	